



MONMOUTH
-COLLEGE-

C*atalog*

1998 • 1999

MONMOUTH COLLEGE LIBRARY



3 3527 00147 9198

GAYLORD S



MONMOUTH
-COLLEGE-

CATALOG

1998-1999

Monmouth College
Monmouth, Illinois 61462-1998
309-457-2131
www.monm.edu

Monmouth College admits students and conducts its academic and other programs without regard to race, religion, sex, national origin, or physical handicap.

This catalog provides information only and does not constitute a contract between the College and any person. The College reserves the right to alter or amend this document without notice. Students are encouraged to consult their faculty advisers or the appropriate

College officers on matters which are essential to their degree programs. For questions about College regulations and policies on student life, students should consult the current student handbook.

TABLE OF CONTENTS

1	INTRODUCTION
3	STATEMENTS OF MISSION AND PURPOSES
5	STUDENT LIFE
11	ACADEMIC PROGRAM
27	COURSES OF INSTRUCTION
107	HONORS PROGRAM
109	OFF-CAMPUS PROGRAMS
114	PREPROFESSIONAL PROGRAMS
117	ADMISSION
119	TUITION AND OTHER CHARGES
126	REGISTERS: FACULTY, ADMINISTRATION, SENATE
136	DIRECTORY OF COLLEGE OFFICES
137	INDEX



Digitized by the Internet Archive
in 2011 with funding from
CARLI: Consortium of Academic and Research Libraries in Illinois

<http://www.archive.org/details/monmouthcoll199899monm>

MONMOUTH COLLEGE: AN INTRODUCTION

■ Location of the College.

Monmouth College shares its name with the town that is its home, the seat of Warren County in western Illinois, a pleasant and hospitable community of 9,500 residents. The Mississippi River, still the threshold of the American West, flows just fifteen miles from Monmouth's campus. Chicago is 180 miles to the northeast. The Quad Cities—Moline and Rock Island in Illinois, Davenport and Bettendorf in Iowa—straddle the Mississippi forty miles due north. Monmouth is easily accessible from Interstates 80 and 74. Commercial air service is available through Moline, Peoria, and nearby Galesburg and Burlington, Iowa. Monmouth's location also permits easy access to other academic communities: Western Illinois University is thirty miles south in Macomb; Augustana College is located in Rock Island; and Knox College, Monmouth's traditional rival in athletics, is just 12 miles away in Galesburg.

■ The College's History and Purpose.

Founded in 1853 by pioneering Presbyterians, Monmouth College brought the blessings of civilization to the people of the rough frontier and spoke of traditional values to those who were shaping a new world. Though today our life knows different frontiers, the College still thinks of its purpose as its founders did—preserving and

celebrating the traditions that have been entrusted to it while promoting discovery and investigation. Although the student body today includes many who come from far beyond western Illinois, Monmouth continues to have a strong sense of identity with its local community and with the region in which it is proudly rooted.

Unusual for the time, Monmouth College was created as a coeducational institution. Indeed, it was one of the first colleges to give women equality with men, and, not surprisingly, women's interests have been prominent in the College's history.

Monmouth has chosen to remain the collegiate institution it was founded to be, preferring not to expand into a university. Monmouth continues to insist that its purpose is not to pursue knowledge for its own sake, in the university's fashion, but to encourage students to seek values by bringing together knowledge and belief in a coherent whole. The College has neither graduate nor professional schools and is therefore able to focus its resources entirely on its undergraduates. In true collegiate fashion, Monmouth stresses the unity and equality of the academic disciplines that compose it. The College's chief interest lies in providing its students a generous understanding of human experience; individual disciplines receive their sense of direction from that larger commitment

rather than permitting the specific interest to become an end in itself.

■ Accreditation and Affiliation.

Monmouth is a four-year college offering the bachelor of arts degree and is fully accredited by the North Central Association of Colleges and Schools, 30 N. LaSalle St., Suite 2400, Chicago, IL 60602, 800-621-7440. The program of the department of education is approved by the Illinois State Certification Board, 100 North First St., Springfield, IL 62777-0001, 217-782-2805.

Recognizing that no intellectual process is value free, Monmouth College is committed to the values and ecumenical perspective of the Christian faith and encourages its members to explore the implications of those values for their lives and the world.

While the College chooses, quite deliberately, to maintain its affiliation with the Presbyterian Church (U.S.A.), it welcomes students of all faiths.

To increase the range of opportunities for its members while retaining the advantages of smallness, Monmouth and thirteen other colleges similar in kind and purpose compose a consortium, the Associated Colleges of the Midwest (ACM). These colleges, located in Colorado, Iowa, Minnesota, and Wisconsin as well as in Illinois, together offer programs which singly they could not. These provide opportunities, described in the section titled Off-Campus Programs, for members of the College to engage in a remarkable range of off-campus study projects, both in this country and overseas, for a semester or an academic year.

STATEMENTS OF MISSION AND PURPOSES

■ Mission Statement.

As an undergraduate liberal arts college we recognize the close relationship of faculty and students to be fundamental to our learning environment. As a community of learners we strive to create and sustain an environment that is value-centered, intellectually challenging, aesthetically inspiring, and culturally diverse; and we hold as central our commitment to liberal arts education and to one another. We integrate a four-year program of general education with in-depth study in the major and a rich array of co-curricular activities in order to foster the discovery of connections among disciplines and of larger patterns of meaning. Through these experiences, we help our students explore multiple perspectives on the human condition and prepare themselves for rich personal and professional lives—for leadership, citizenship, and service in a global context.

Monmouth College was founded in 1853 by pioneering Presbyterians. As a campus community we honor that heritage and value religious diversity as we explore the spiritual dimension of human existence and the relationship between faith and knowledge. As both observers and participants we seek to deepen our understanding and appreciation of the creative tension that exists among the principles of democracy,

pluralism, equality, and freedom in our own nation and beyond.

■ Statement of Purposes.

As an undergraduate liberal arts institution Monmouth College exists to:

1. Prepare students for rich personal and professional lives.
2. Prepare students for positions of leadership, service, and citizenship in a global context.
3. Promote awareness and exploration of the sometimes contradictory principles which exist in democracy, pluralism, equality, and freedom.
4. Create and maintain a learning environment which is value-centered, intellectually challenging, aesthetically inspiring, and culturally diverse. This includes:
 - a) Providing students with a four-year general education program, in-depth study in the major, and a rich array of co-curricular activities.
 - b) Fostering the discovery of connections among disciplines and of larger patterns of meaning.
 - c) Promoting an understanding of a value system that is shaped by individual and collective experiences.
5. Explore the spiritual dimension of human existence and the relationship

between faith and knowledge.

6. Introduce students to multiple perspectives on the human condition and promote self-awareness of global perspectives both through the curriculum and through campus life.

7. Foster and promote intellectual inquiry and critical analysis through mentoring

relationships characterized by individual attention.

8. Develop creativity and skills in written and oral communication and artistic expression.

9. Understand the methods of inquiry and expression in the arts, humanities, sciences, and social sciences.

STUDENT LIFE

■ Beyond the Classroom.

The Monmouth College campus provides a charming and comfortable living and learning environment that is both ideal and idyllic as a traditional collegiate setting. Often admired for the beauty of its trees and pleasant spaces, the campus is surrounded by a handsome residential area just a short distance from the town center. It is a walking campus where no building is far from any other and where members of the College quickly come to recognize familiar faces as they meet on campus walks and congregate for College occasions.

For students in some institutions, the undergraduate years mean only taking courses. In contrast, Monmouth's students find that education extends beyond the classroom, reaching into faculty homes, residence halls, and dining room, embracing a broad range of cocurricular activities. Lectures, concerts, and performances by visitors are planned to complement the academic program. The College newspaper and other publications, the campus radio station, religious services, music groups, and the theater provide opportunities for students to develop their talents and to enrich the College's life. Many members of the College find challenge and learning opportunities in the athletic programs, both intramural and intercollegiate. A prominent focus of campus interest is the student government, which is responsible for a broad

range of activities. In all of these there are opportunities for learning, for leadership, and for interaction with faculty members.

■ Instructional Facilities.

The Hewes Library, at the physical as well as the metaphorical center of the campus, seeks to be a teaching library, whose collection, services, and people are an integral part of the instructional life of Monmouth College. The centerpiece of the library's teaching is an information literacy program which reaches all students in three courses: Freshman Seminar, Fundamentals of Communication, and Comparative Societies. In addition, the library serves as the interface between faculty, students, and staff and the world of information. This service is provided two ways: 1) with a core collection of almost 200,000 information materials, in a variety of formats including government documents, that supports the curriculum of the College, and 2) by giving users access to the world of scholarship beyond the library's walls through a reference collection of databases, indexes, and bibliographies; an extensive interlibrary loan program; and the increasing electronic resources accessible through various networks. The Hewes Library provides many study areas, including individual carrels and seminar rooms. The Beveridge Rooms house the rare books and Monmouthiana collections of the College.

The Len G. Everett Gallery is located on the top level of the Hewes Library.

The Hewes Library is also the home of the College's fully-equipped Information Systems Center, and thus brings together the newest of learning resources with the most traditional. The Information Systems Center's focal point is the Dorothy Peterson Dahl Computer Center, a central location for students and faculty to access the campus-wide computer network. The Center is also home for the campus' network servers and the Information Systems Center offices.

The Haldeman-Thiessen Science Center, named for two of Monmouth's most celebrated professors, is a remarkable facility for a small college, providing students with extraordinary laboratories and instrumentation. Built in 1970, it is the symbol of the College's long-lived reputation for excellence in the laboratory sciences.

The College Auditorium, the oldest building on campus, serves as chapel, concert hall, assembly area, and lecture hall. Its renovation in 1980 provided a hall with splendid acoustical qualities and theater-style seating even while it preserved the charm of the original structure.

The major instructional programs in the humanities and social sciences are carried on in two gracious buildings in the classic collegiate style, Wallace and McMichael, named for early presidents of Monmouth College. In Wallace Hall, the Trotter Computerized Classroom accommodates 24 student workstations and a data projection system to be used by an instructor. The former Carnegie Library, located just west of Wallace Hall, was renovated in 1996 and renamed Poling Hall. It houses the offices of student affairs, the registrar, financial aid and other essential student services. Theater productions are staged in the Wells Theater. The music department has much of its

activities in Austin Hall on the east side of campus and in the College Auditorium.

■ Student Affairs.

The Student Life staff—the vice president, deans, directors, head residents, resident assistants; and those in the Stockdale Center, career and leadership center, and multicultural student affairs—all have a personal and professional commitment to quality in all areas of student life.

The Office of Student Affairs administers all student services, particularly individual and group counseling; personal, relational, and developmental concerns; health and wholeness issues; advising student government; campus and Greek organizations; and the general well-being of campus life. Additional counseling services for assessment or evaluation purposes are provided when necessary.

Monmouth College students receive 24-hour health services through Family Practice Associates and the emergency room of Community Medical Center. Services that require hospitalization or other medical treatment are available at the hospital.

Multicultural affairs focuses its attention on the nurturance and special needs of a growing number of students from diverse backgrounds, advising, counseling, and encouraging them to be full participants in the college community.

The Stockdale Center is the hub of extracurricular activities on campus. The assistant dean of students and director of the center work closely with the Association for Student Activity Programming and other organizations in planning a wide range of activities.

Monmouth believes that a residential college should provide more than room and board and that living in residence halls affords special opportunities for learning from others.

Personal growth, intellectual development, and maturity seem to come more quickly to those who are continuously engaged with their fellow students and who contribute to making residence hall life a richer experience for everyone. Accordingly, the College requires all its students to live on campus unless exceptions are necessary, such as married students and students in the Monmouth area who reside with their parents. While providing some supervision of students in residence through its system of head residents and resident assistants, Monmouth encourages its students to govern their own living units and to develop their own social programs. Thus, each residence hall has its own council composed of elected representatives who manage the hall's affairs.

In its residential system, Monmouth has sought to provide an unusual range of living opportunities and experiences. None of its halls is quite like any other, either in its architecture or its internal arrangements. Styles range from Winbigler's long corridors and large, traditional lounge areas to modern Gibson, where rooms are arranged in fours around a shared bathroom. The residents of the various halls may choose the hours of visitation, within parameters established by the College. In all its residences, the College has chosen to provide a high standard of maintenance and to enhance students' living by making their surroundings bright and cheerful—a fact that strikes visitors at once. The College has wished to give its students every reasonable opportunity to choose among alternatives in accommodations, physical surroundings, and lifestyles.

Each spring returning students sign up for rooms, stating their preference, while new students indicate their housing preferences during the summer. The College makes every effort to provide students the housing they prefer.

Many Monmouth students choose to join fraternities or sororities. Sorority members live within the residence halls, choosing rooms as do unaffiliated women. Fraternity members, according to their affiliation, either live in the fraternity house or choose to spend some or all of their years in a residence hall.

All students in residence, including some who live at home, take their meals in the dining hall of the Stockdale Center. Private dining rooms in the center are available for special occasions.

■ Recreation and Athletics.

More and more people are recognizing that an organized program of recreation is necessary to their spiritual as well as their physical well-being. Monmouth provides a variety of opportunities, from the rigorous discipline of intercollegiate competition to an extensive intramural schedule. The College's Bobby Woll Athletic Field features an eight-lane track with a rubberized asphalt surface. Indoor recreational space is provided in the College's athletic center, which includes Arthur Glennie Gymnasium, dedicated in 1983, and the old gymnasium, completed in 1925 and extensively renovated in 1984.

Monmouth's men compete on the varsity level in football, soccer, cross country, basketball, wrestling, baseball, and track and field. Varsity competition is offered to Monmouth's women in volleyball, cross country, basketball, track and field, soccer, and softball. More than 75 percent of Monmouth's students are actively involved in all aspects of the intercollegiate, intramural, and recreational programs. Facilities include the swimming pool, lighted tennis courts, an all-weather track, and extensive indoor facilities. The College's Wellness Program, based at the Health & Fitness Center, provides an ongoing series of fitness and wellness education programs. The center is

outfitted with an array of air bikes, steppers, treadmills, weights and health-monitoring equipment.

Monmouth College considers the intercollegiate athletic program to be an integral part of the total educational experience. Subscribing to a "sound mind in a sound body" concept, the College recognizes the significant contribution of recreation, intramural and intercollegiate athletics to the development of male and female students. From a relaxed recreational program to the very rigorous intercollegiate program, Monmouth students can experience a wide range of athletic opportunities.

The College is committed to providing equal opportunities for all its students. It is the goal of the college to provide experiences that will allow men and women to achieve their maximum potential in both academic and athletic endeavors.

The health and welfare of our students is paramount. Athletic opportunities are provided in a context that fosters character development, safe participation, value enhancement and academic achievement. Student athletes are encouraged to participate in all aspects of the college experience. The education and development of the whole person is our fundamental commitment.

The college firmly adheres to the spirit and intent of the rules and regulations of the National Collegiate Athletic Association and the Midwest Collegiate Athletic Conference. The college, while integrating the mandates established by both organizations, retains institutional control. All policies, rules and regulations are reviewed regularly by responsible faculty and administrative personnel.

■ Campus Organizations.

The student handbook describes the many campus organizations that serve the variety of interests found among Monmouth's students. Honor societies enroll students who achieve academic distinction, and several groups

provide for those whose talents are in the arts. Six national Greek organizations (see below) add an important dimension to Monmouth College social life. Notable among Monmouth's traditionally strong music organizations is the Monmouth College Pipes and Drums band. The Coalition for Women's Awareness, the Multicultural Affairs Council, Amnesty International, Monmouth Christian Fellowship, and Students Organized for Service speak to the special needs of students with particular backgrounds or interests.

Students find in the city of Monmouth a congenial and friendly community, proud of the College that bears the same name. Many local organizations welcome volunteer workers from the student body. Local churches invite students to join their congregations and often depend on them to be organists, soloists, and leaders of youth groups. Similarly, local schools have come to count on students for help with tutoring and coaching. Through the YMCA, Warren Achievement Center, Jamieson Community Center, and homes for the elderly, all those who wish to serve find significant, rewarding opportunities to do so.

■ Greek Organizations.

Greek letter societies have been an integral part of Monmouth College life for many years, for they have important benefits for their members and the campus. All Greek organizations adhere to the principle of nondiscrimination in selecting members. All sororities are members of the Panhellenic Council. Fraternities hold membership in the Interfraternity Council.

Alpha Xi Delta

Alpha Xi Delta was founded at Lombard College in Galesburg, Illinois, in 1893. The Beta Epsilon chapter of the fraternity for women made its first appearance at Mon-

mouth College in 1932, but was dissolved in the late 1970s. In 1997, the chapter successfully recolonized, with 42 women initiated.

Kappa Kappa Gamma

Kappa Kappa Gamma was founded at Monmouth College on October 13, 1870. When sororities were reestablished on the campus, the local fraternity, Kappa Alpha Sigma, organized. This group was reinstated as Alpha chapter of Kappa Kappa Gamma in 1934.

Pi Beta Phi

I.C. Sorosis, the first national fraternity for women, was founded at Monmouth College April 27, 1867. The name officially changed to Pi Beta Phi in 1888. After sororities were reestablished at Monmouth College, Pi Beta Phi returned to the campus as the Alpha chapter of the fraternity.

Alpha Tau Omega

Alpha Tau Omega was founded at Virginia Military Institute in Richmond, Virginia, on September 11, 1865. Epsilon Nu chapter of Alpha Tau Omega was founded at Monmouth May 3, 1947. At that time all the members of the local Phi Kappa Pi fraternity were invited to become members of Alpha Tau Omega.

Sigma Phi Epsilon

Sigma Phi Epsilon was founded nationally at Richmond, Virginia, on November 1, 1901. Since then 171 chapters have been established throughout the nation. Illinois Gamma of Sigma Phi Epsilon was established on May 22, 1948, after merging with Theta Epsilon Omega fraternity.

Zeta Beta Tau

Zeta Beta Tau fraternity was founded at the City College of New York on December 29, 1898. Delta Lambda chapter colony was founded at Monmouth College on April 17, 1968. In 1989, Zeta Beta Tau was the first fraternity to eliminate pledgship.

■ College Governance.

Because all members of the College are responsible for nurturing freedom and values in the institution, Monmouth has traditionally invested considerable authority in its student body. The College has fostered the candid evaluation by students of its academic and extracurricular programs, even as it has encouraged open discussion of social issues. Monmouth has long recognized that it must be shaped by students' interests and responsive to students' needs. Accordingly, the College provides extensive opportunities for students to be involved at all levels of its decision-making processes.

The College's system of governance involves three bodies that work together for the welfare of the whole. The Monmouth College Senate has the legal responsibility and authority for managing the College's resources. It delegates certain powers to the College's administrative officers, faculty, and students. The Senate is composed of no fewer than 33 directors, nine of whom serve as trustees on the Executive Committee. To ensure that students' views are heard in this highest assembly, the officers of the Student Association sit in all plenary sessions and with Senate committees.

The faculty, charged with the responsibility for all the educational programs of the College, accomplishes its work through its Senate and various standing committees. Unless specifically excluded by the faculty's statutes, students participate on faculty committees, helping to develop policies for the regulation of the institution's corporate life. The monthly meetings of the faculty are open to students, and any member of the College may speak to an issue on the floor.

The body politic of Monmouth's students is the Student Association, which has a wide interest in and responsibility for the quality of student life. Its legislative body is the Student Senate, which is

made up of the association's officers and elected representatives. It is from this body, normally, that recommendations for action and proposals for change go to the faculty and the trustees.

■ Rights and Responsibilities.

The College guarantees its students a number of rights consistent with its encouragement of individual freedom. The right of every student to petition the faculty on his or her own behalf is complemented by the right to speak to larger questions before the whole faculty in assembly. The right of free expression in the College newspaper and in other publications is long-standing, as is the right of students collectively to decide on the use of student activity funds. In turn, students, as members of a free community, are expected to share responsibility for the welfare of the College and to defend its good name.

Accordingly, the Student Association has established certain rules for the regulation of student life, encouraging a climate of shared social responsibility in which individual freedom for all can flourish. These freedoms and responsibilities are detailed in the student handbook.

Particular regulations deal with the use of alcoholic beverages on campus; the College's position is, briefly, that it will permit students in their residences to exercise responsibly those freedoms in the use of alcohol afforded them by the State of Illinois and that it will attempt to educate them to the potential dangers of what is now known to be a drug.

The College allows a student in good standing to keep an automobile on campus, provided that the vehicle is registered with the College.

In accepting admission to and enrolling at Monmouth College, students implicitly agree to comply with College regulations while they are students under the College's jurisdiction. Monmouth College reserves the right to suspend

or dismiss a student whenever in its judgment the welfare of the College community demands such action.

■ Wackerle Career and Leadership Center.

The Wackerle Career and Leadership Center provides opportunities to develop an understanding of self as it relates to individual leadership development and the world of work. The director helps assess career interests, measure aptitudes, prepare for job interviews and compile credentials. The director also provides opportunities for exploration into individual leadership styles with a focus on collaborative leadership development.

Workshops and special programs on career and leadership development are offered regularly. A job vacancy newsletter; a teacher candidate directory; a senior resume book; practical paid and volunteer work experience; internships; and interview opportunities with potential employers, graduate and professional schools, and alumni are also available.

Those in the Wackerle Center see career planning and leadership development as a lifelong process and provide individual career counseling and services to students as well as alumni.

■ The Teaching and Learning Center.

Located in the Guest House (727 East Broadway), the Teaching and Learning Center provides academic services that may help students with their developmental or remedial needs in writing, speech development and mathematics. The center is equipped with networked computer workstations and a printer. It is staffed regularly by Writing Fellows who provide technical assistance to students. The center occasionally hosts special events such as poetry readings.

ACADEMIC PROGRAM

THE MONMOUTH PLAN

■ The Semester Calendar.

The academic year at Monmouth is organized into two semesters. In each semester, students ordinarily take 15 to 16 credits. The first semester begins in early September, ending before the Christmas holidays. The second semester begins in late January, ending in mid-May. Depending on the credit value of each course, students might anticipate taking between four and six courses each semester.

Most courses meet for three 50-minute periods or two 75-minute periods a week, with laboratory or studio courses having additional sessions. Individual courses are worth one to 12 semester hours.

■ The Monmouth Curriculum.

The program of study at Monmouth College is a distinctive answer to questions that critics of higher education have increasingly urged upon America's colleges and universities: What form of undergraduate education best prepares students to live in a rapidly changing world? How can we provide students with marketable skills and at the same time propose the continuing values of liberal education? How can the specific interests of the individual be balanced by the larger concerns of humanity?

Reaffirming Monmouth's commitment to the best traditions of American collegiate education, the curriculum adopted by the faculty in 1981 comprises four elements: the freshman seminar, the required components in general education, the student's major program, and elective courses. While each of these elements has its specific purpose, together they create a four-year framework for liberal education. The required elements provide a structure to guide students toward the essential goals of liberal education. At the same time, other elements permit students to make advised choices among appropriate alternatives.

The curriculum sets up creative interchanges between general requirements and specific interests, as well as between the largest commitments of the College and the particular emphases of individual courses. The liberalizing processes are realized through these exchanges over the four years of study. The general education sequence provides the larger context of knowledge and human experience, raises questions of meaning and value, and provides a basis for judging the purposes and methods of particular disciplines. On the other hand, work in a single area of interest permits a student to develop special skills and to use the methodology of the discipline for inquiry in depth; it teaches students to handle the detailed information of specialized study and

to apply understanding to their specific purposes.

•**THE FRESHMAN SEMINAR.** The seminar, taken by all freshmen in their first semester, addresses the purposes of liberal and collegiate education. It helps freshmen to integrate themselves into the life of the College and to develop those skills essential to college work: critically reading a text, writing papers, using the library, thinking analytically, and communicating ideas orally. As a foundation course for the general education program, the seminar raises basic questions about human beings and their achievements, values, and purposes—questions the student will encounter again and again, in one form or another, both in the College and outside it.

Students meet three times a week with a faculty seminar leader, and all seminar groups meet together on Tuesday at 11 A.M. for a colloquium, lecture, or other presentation. Students earn four semester hours of credit for the seminar.

•**DEPARTMENTAL MAJOR.** To bring coherence to their course work, students eventually organize their academic program about their special interest, the major study. Sometimes the major is directly linked to the career the student intends to follow, but often it is not. A major program is a comprehensive examination of a particular discipline or topic, a rigorous study in depth that leads the student to understand what is necessary to claim knowledge of or competence in a subject.

Students may take a major program in a single discipline, fulfilling the requirements set by the department. The departmental major provides an appropriate culminating experience during the senior year: a special seminar, a thesis, or an independent study project.

Each department publishes a description of the purposes and scope of the major program in its discipline(s), identifying the courses that are required. No more than 40 semester hours may be required in a discipline. Students may take additional courses in the department as electives, but they may count no more than 50 semester hours in a single department toward the 124 semester hours required for the degree. (The Curriculum Committee can recommend exceptions to the faculty.)

•**TOPICAL MAJOR.** The topical major provides a unique opportunity for the student who wants to pursue in depth an interest area that bridges the subject area of several departments. The student's advisor plays an important role in helping to plan a topical major. The topical major consists of at least 36 semester hours, 18 of them at the 300 or 400 level. One of these courses must be designated as the culminating experience. The Admissions and Academic Status Committee must approve the proposed courses and formally appoint the advisor who will guide the student. Requests for approval must be filed at least one year before the student's graduation.

•**FREE ELECTIVES.** The Monmouth curriculum provides students with 10 to 14 elective courses, depending upon the scope of their major program. Electives provide opportunities for enrichment and experimentation. A student may choose to take additional courses in the major department (up to the limit of 50 semester hours), to develop a minor, or to enhance the work of the general education program.

•**GENERAL EDUCATION COMPONENTS.** The titles of the components of the general education program direct students' attention toward the lasting concerns of educated men and women,

interests that go beyond the college years and academic institutions. General education is more than a simple call for breadth or for diversifying in many academic departments. It is a purposeful inquiry into those activities, forms, and institutions that define civilization and those experiences that define our shared humanity. General education is intended to help students look beyond individual courses and disciplines to those topics that should interest them for a lifetime.

The Monmouth curriculum identifies the largest elements of the College's academic interests as the five components of the general education program. Each component intentionally crosses the traditional lines of the academic divisions, arguing implicitly that these concerns cannot be contained within the disciplines. Each proposes that a synthesis of the disciplines is necessary if knowledge is to serve the largest human interests.

The general education program, which accounts for 37 of the 124 semester hours required for graduation, is organized so that the student is enrolled in at least one component each year. The components called *Language* and *Issues and Ideas* are required respectively in the freshman and senior years. The other three components may be distributed to suit the student's schedule, provided that other conditions are met.

Language. The creation and use of language is the most significant achievement of human beings, for our ability to organize our understanding in verbal symbols and to communicate sets us apart from all other life forms. The symbols of our language make communication possible at many different levels of meaning and allow us to translate our private experience into universal terms. Our native language admits us to the

experience of all who use and have used it. It is the medium that bears the largest part of our cultural heritage from one generation to another. A sure understanding of language is the foundation of all knowledge, and the ability to use verbal symbols effectively is the most important of all skills.

At its deepest levels, language communicates in metaphorical terms, conveying feelings and intuitions that cannot be expressed in direct, literal language. Beyond examining the oral and written uses of language as explicit forms of communication, then, the study of language also entails considering the symbolic uses of words to express more than literal meanings, to create particular effects, or to influence the reader or listener in certain ways.

This component provides that every student have experience with a second language. The study of a foreign language allows students to see that their native language often reflects cultural needs and interests at the same time that it shares many basic patterns with other languages.

No element of this component is considered complete in itself. Even together they are only an introduction to what must be a continuing activity for all students: the effort to attain a more sophisticated understanding of language and ever greater skill in its use. For it is language which nearly completely defines our intellectual world and our common human experience.

The requirements in this component are (a) one course in speech (unless exempted by prior study) that deals with communication theory and provides practice in spoken English, taken in the freshman year; (b) one course, Composition and Literature (English 110), that deals with the metaphorical use of language and provides experience in writing, taken in the freshman year; and (c) competence in a foreign language at the level

of the 102 course. The classics and modern foreign languages departments place or exempt students on the basis of competence demonstrated in prior study and/or a test administered during new student orientation. International students whose native language is other than English meet the foreign language requirements by demonstrating their competency in English, which is for them a foreign language.

The Physical Universe and Its Life Forms.

Human beings are part of nature even while they transcend it by examining and describing it and by imagining very different worlds. Any statement about human beings that ignores their relationship to the rest of nature is incomplete and misleading. The natural world is usually dealt with as though it could be divided into two parts: the physical universe and living things. That division, convenient but arbitrary, is useful because the differences between the two seem obvious. Yet living things are an integral part of the physical universe, made of the same stuff and obedient to the same laws. Humankind shares with all other living things the limitations imposed by natural laws, but human beings, having learned how to manipulate nature, have responsibilities not shared by other life forms.

In this component, students become sufficiently acquainted with the workings of the biological and physical worlds to understand the place of human beings in nature and their dependence on both the physical universe and the rest of the living world. They see the fragility of planet Earth and the living things upon it, and they perceive their responsibility to preserve and conserve these two worlds. Students also gain a working knowledge of the philosophy and methods of scientists as well as an appreciation of the limits of science and its mechanistic view of the natural world.

The requirements in this component are two courses, preferably taken before the end of the junior year: (a) one course with laboratory in chemistry or physics; and (b) one unit course with laboratory in biology or psychology.

Beauty and Meaning in Works of Art. Works of art—achievements of the creative imagination in literature, music, art, and theater—are among the supreme accomplishments of the human spirit. Other components of the general education program emphasize human beings in the group; here the central interest is the creations of individuals. Yet that interest is tempered by the recognition that great works of art seem to evoke a universal response.

Human beings have found in the arts ways to comprehend their world and to celebrate their creativity, to shape and give order to their experience of life, to express their most private feelings, and to affirm their sense of a universal human community. The arts transmit the wealth of the past to contemporary civilization and give promise of transmitting to the future the best of the present.

To value the arts fully, students should learn their appreciation and participate in their creation. In this component the study of great examples of a particular art form is balanced by creative work: writing, painting, composing, playing, or making.

The requirements in this component are five semester hours, preferably taken before the end of the junior year: (a) one course emphasizing appreciation; and (b) two semester hours emphasizing participation in the creative process.

Human Societies. Humans are social beings, our lives and ideas considerably shaped by society and its institutions. Formative influences come to us from our immediate contact with others (our family and friends),

from our experiences in institutions and organizations (schools, corporations, churches, and government), and from that large, subtle, pervasive set of ways of thinking and doing that we call culture. Society shapes us in ways we may not suspect. It may affect our attitudes of trust and mistrust, of optimism or pessimism; it may influence our sense of community or individual identity and provide the store of ideas within which we do our thinking.

Just as we need to understand the influences of our own society, so to function effectively in an age of cultural pluralism we need to study societies different from our own. The comparative study of societies helps us look critically upon assumptions we might otherwise never challenge and it enhances our appreciation of our own culture.

The requirements of this sequence are Interdisciplinary Studies 201, a sophomore-level course in comparative societies, followed by one course within a discipline focusing on a particular society or institution.

Students may be exempted from this latter course for an off-campus program.

Issues and Ideas. The final requirement in the general education program consists of courses which address issues and ideas that any responsible citizen must confront. These are courses which draw upon the maturity and intellectual flexibility of students in their senior year. They engage the student with problems and ideas that directly address the conditions and well-being of life.

These courses include, but are not limited to, issues and ideas such as the continuing presence of wars; what we understand a just society to be; the question of personal identity and the self; or responsible relationships with the natural world.

These courses incorporate the perspectives of various viewpoints since they deal

with questions that transcend immediate professional and intellectual vantages. They elicit a recognition of and a critical response to shared and continuing human concerns.

Students are expected to complete one course in their senior year.

■ Requirements for the Degree.

In summary form, these are the requirements for the degree:

1. Four years of academic work in which the student earns at least 124 semester hours of credit. An average of C (2.00) or higher must be obtained in course work taken at Monmouth College. The senior year residency requirement stipulates that after attaining senior status (90 semester hours), at least 27 semester hours of the remaining credits required for the degree must be granted by the College.
2. Completion of the freshman seminar with a passing grade.
3. Completion of a major program with at least a C- grade in courses counted toward the major and an overall C average (2.0) in those courses.
4. Completion of the five components of the general education program: *Language, The Physical Universe and Its Life Forms, Beauty and Meaning in Works of Art, Human Societies, and Issues and Ideas.*
5. Payment of all current financial obligations to the College.

■ Application for Degree.

Candidates for the Bachelor of Arts degree must make formal application to the registrar one year in advance of their expected graduation.

■ General Education Courses.

Courses that satisfy the requirements of the general education program are designated by the faculty. In addition to the

courses listed, some courses that vary in content satisfy requirements when particular topics are offered. Such courses are listed in semester course schedules.

•*LANGUAGE.*

(a) One course in speech that deals with communication theory and provides practice in spoken English, taken in the freshman year: Communication and Theater Arts 101. Fundamentals of Communication.

(b) One course that deals with the metaphorical use of language and provides experience in writing, taken in the freshman year: English 110. Composition and Literature.

(c) Competence in a foreign language at the level of the 102 course, in the freshman or sophomore year:

French 101-102. Elementary.

German 101-102. Elementary.

Greek 101-102. Elementary.

or Greek 101-212. Elementary-Biblical.

Latin 101-102. Elementary.

Spanish 101-102. Elementary.

•*THE PHYSICAL UNIVERSE AND ITS LIFE FORMS.* Two courses taken before the end of the junior year.

(a) One course with laboratory in chemistry or physics:

Chemistry 100. Chemistry: A Cultural Approach

Chemistry 130. Organic Chemistry I. (Satisfies requirement of students in a program in health careers and for students who complete the chemistry sequence through Chemistry 220.)

Physics 103. Astronomy.

Physics 130. Introduction to Physics I.

Physics 132. Introduction to Physics II.

(b) One course with laboratory in biology or psychology:

Biology 101. Life on Earth.

Biology 111. General Zoology.

(Satisfies requirement for biology, environmental science and health career majors only.)

Biology 112. General Botany.

(Satisfies requirement for biology, and environmental science majors only.)

Biology 201. Field Botany.

Psychology 101. Introduction to Psychology.

•*BEAUTY AND MEANING IN WORKS OF ART.* Five semester hours taken before the end of the junior year.

(a) One course emphasizing appreciation and interpretation:

Art 200. Introduction to the History of Art: Prehistoric Through Medieval.

Art 201. Art History Survey: Renaissance Through Modern.

Art 306. Women, Art, and Feminism.

Classics 210. Ancient Literature.

Classics 230. Classical Mythology.

Communication and Theater Arts 171.

Introduction to Theater and Cinema Appreciation.

Communication and Theater Arts 273.

The Classical Theater.

Communication and Theater Arts 275.

The Modern Theater.

English 240. Russian Literature of the 19th Century.

History 206. The Enlightenment.

History 207. Modernism.

History 208. 19th Century Arts and Letters.

History 209. Soviet Cultural History.

Music 101. Introduction to Music.

Music 203. Evolution of Jazz.

Philosophy 315. Aesthetics.

(b) Two semester hours emphasizing participation in the creative process:

Art 121. Drawing I.

Art 123. Sculpture I.

Art 125. Ceramics I: Hand-built Clay.
 Art 126. Ceramics I: Wheel-thrown Clay.
 Art 142. Painting I.
 Art 211. Design.
 Art 236. Photography.
 Communication and Theater Arts 127.
 Theater Arts: Workshops
 Communication and Theater Arts 173.
 Introduction to Technical Theater.
 Communication and Theater Arts 175.
 Beginning Acting.
 English 210. Creative Writing.
 Music 131. Jazz Band.
 Music 132. Vocal Jazz.
 Music 133. Sound of Five: Vocal.
 Music 134. Sound of Five: Instrumental.
 Music 145/146. Piano.
 Music 151/152. Voice.
 Music 153/154. Strings, Fretted
 Music 155/156. Strings: Cello.
 Music 161/162. Woodwinds.
 Music 165/166. Brass.
 Music 171/172. Percussion.
 Music 181. Vocal Chamber Music.
 Music 182. Instrumental Chamber Music.
 Music 184. Concert Choir.
 Music 185. Wind Ensemble.
 Music 186. Pipes and Drums.

•*HUMAN SOCIETIES*. Two courses at the sophomore or junior level taken before the end of the junior year.

(a) One course in comparative societies: Interdisciplinary Studies 201. Comparative Societies, taken during the sophomore year.

(b) One course focusing on a particular society or institution.

Art 304. Asian Art and Culture.
 Business Administration 110. Evolution of Commercial Institutions.
 Business Administration 111, 112, 113, 114: Industry Analysis.
 Communication and Theater Arts 261.
 Mass Media and Modern Society.

Classics 211. History of Greece.
 Classics 212. History of Rome.
 Classics 240. Ancient Society.
 Economics 120. Contemporary Economic Problems.
 Economics 200. Principles of Economics.
 Economics 351. Comparative Economic Systems.
 Government 103. American Politics.
 (Satisfies requirement for Teacher Certification candidates only.)
 Government 202. Modern Japan.
 Government 245. The Politics of Developing Nations.
 Government 270. Global Affairs.
 History 110. American History 1492-1750. (Satisfies requirement for Teacher Certification candidates only.)
 History 111. United States History 1750-1900. (Satisfies requirement for Teacher Certification candidates only.)
 History 112. United States History 1900-Present. (Satisfies requirement for Teacher Certification candidates only.)
 History 202. Modern Japan.
 History 211. History of Greece.
 History 212. History of Rome.
 History 222. Medieval History.
 History 240. Ancient Society.
 History 302. History of the Middle East.
 History 303. History of India and South Asia.
 History 304. History of Sub-Sahara Africa.
 History 305. History of Mexico.
 Philosophy 207. Ethics: Philosophical and Religious.
 Philosophy 300. Philosophy and Religions of Asia.
 Philosophy 307. Modern and Contemporary Philosophy.
 Philosophy 309. Classical and Medieval Philosophy.
 Psychology 340. Personality.
 Religious Studies 101. Introduction to

the Old Testament.

Religious Studies 103. Friends, Neighbors, Lovers, and Enemies.

Religious Studies 200. Topics in the History of Christian Thought.

Religious Studies 207. Ethics: Philosophical and Religious.

Religious Studies 210. Judaism and Islam.

Religious Studies 207. Ethics: Philosophical and Religious.

Religious Studies 244. The Politics of Islam.

Religious Studies 300. Philosophy and Religions of Asia.

Religious Studies 211G. Introduction to Judaism.

Religious Studies 212. Introduction to Islam.

Religious Studies 303. History of India and South Asia.

Sociology 327. Sociology of Medicine.

Sociology 341. Urban Sociology.

Sociology 347. Gender, Race and Ethnicity

• *ISSUES AND IDEAS*. One course taken in the senior year:

ISSI 402. Classical Mythology and Religion.

ISSI 405. The Future of Religions in Our Twenty-first Century.

ISSI 408. Personal Identity.

ISSI 410. Environmental Ethics.

ISSI 426. Feminist Approaches to Literature and Society.

ISSI 434. War and Peace.

ISSI 435. Political Philosophy from Plato to the Present.

ISSI 436. Poetics of the Self.

ISSI 437. The New Individual.

ISSI 444. The Politics of Islam.

ISSI 468. The Arts in Society.

ISSI 472. Fiction and Industrial Society.

ISSI 477. Energy Resources.

ISSI 479. Cosmology and Creation.

ACADEMIC POLICIES

■ Advanced Standing.

Monmouth College recognizes both the Advanced Placement Program (APP) and the International Baccalaureate Program (IBP).

APP credit is granted for examinations receiving a score of 3 or better in disciplines offered by the college.

IBP credit is granted in the following manner. Five semester hours is granted for each of the three IBP Higher Level Examinations passed with a score of 4 or better. Fifteen additional hours of credit will be granted to students who possess the IBP Diploma and who have passed the three subsidiary examinations with scores of at least 4 on each of the examinations.

In both cases the assignment of credit toward Monmouth College general education requirements will be made on an individual basis by the registrar in consultation with the appropriate academic departments.

In addition, placement without credit may be granted on the basis of a test administered by a department.

■ Credit by Examination.

A student in good academic standing may earn credit in a course, but no grades, by satisfactory performance on an examination which is administered by the department concerned and is sufficiently comprehensive to prove mastery of the course. Such an examination may require a written part, an oral part, a term paper, and a laboratory experience. Performance at the C- level shall be the minimum acceptable; however, the individual departments may set higher standards. A student may not earn credit by examination for any course for which credit has already been earned. A maximum of five

semester credits can be earned through credit by examination.

Prior to taking such an examination, a student must secure the written approval of the advisor, the chair of the department, the instructor who will administer the examination, and the Vice President for Academic Affairs. The student shall be advised of the score of the examination and whether the department requires minimum performance of a higher level than C-.

The fee is one-half the charge assessed per semester credit.

■ Enrollment in an Overload.

A student may register for an overload of 19 or 20 semester hours upon approval of the advisor. A student in the first semester of residence or on probation must also have the approval of the Admissions and Academic Status Committee of the faculty.

A student wishing to register for more than 20 semester hours must have the approval of the Admissions and Academic Status Committee.

■ Class Attendance.

Monmouth College expects students to attend class and holds them responsible for all work assigned in a course. Faculty members set their own specific attendance policies which are described in their syllabi.

When, in the instructor's judgment, a student has excessive absences, he/she may place the student on a "No-Cut" status and require that all further absences be explained or excused. The instructor will notify the student's academic advisor and the Vice President for Academic Affairs that the student has been placed on "No-Cut." Students who continue to miss classes after being placed on this status may be dismissed from the course with an F.

A student will be dropped from a course

if he/she misses the first two class meetings, the course has a limited enrollment, and the instructor requests that the student be withdrawn. The student will not be dropped if he/she previously indicates to the registrar that the place be held and the reason given represents a valid necessity.

■ Registration.

Students must register at the scheduled time for all courses for which they seek credit. They must assume responsibility for being properly enrolled in each course. Details of the registration process are sent to students in a timely fashion by the registrar's office. (New students select courses during the summer registration period.) Courses are selected in consultation with the student's faculty advisor. All changes in registration require the written permission of the course instructors involved and the student's advisor. A fee is charged for each course change made after the first week of classes. No student may add a course after the first week of classes. A course cannot be dropped after the ninth week without the permission of the Vice President for Academic Affairs.

■ The Grading System.

The grading system at Monmouth uses these symbols: A, A-, B+, B, B-, C+, C, C-, D+, D, D-, and F. Other symbols used in appropriate circumstances are W (Withdrawn Passing), WF (Withdrawn Failing), I (Incomplete), IP (In Progress), CR (Credit), NC (No Credit), AU (Audited course), and NAU (Audited course not fulfilled).

•THE W (WITHDRAWN PASSING) is used when a student withdraws from a course before the end of the ninth week. To withdraw from a course after the first week, a student must have the consent of the instructor of the course and the advisor. A student cannot withdraw from a course after

the ninth week of classes except for illness or other circumstances beyond his or her control. The approval of the Vice President for Academic Affairs is necessary. If the student is permitted to withdraw after the ninth week, the instructor reports W (Withdrawn Passing) or WF (Withdrawn Failing).

•THE I (INCOMPLETE) may be given when a situation arises that is beyond the student's control and which precludes completion of required work or if the instructor needs further time for evaluation.

For an incomplete grade received during the fall semester or summer session, the student will ordinarily complete the work by the end of the second week of the following semester. For an incomplete grade received during the spring semester, the student will ordinarily have a period of three weeks, commencing immediately after the last College examination day, to complete the required work.

If the work is not completed at the end of the designated time, the registrar will consult with the instructor as to the disposition of the grade (normally conversion to an "F" grade).

It is generally the responsibility of the student to take the initiative in requesting the incomplete grade and making arrangements with the instructor for its removal.

•THE IP (IN PROGRESS) is appropriate for those courses in which the work may not normally be completed in one semester (seminar, individualized study, research, etc.). However, it is expected that the work will be completed in the subsequent semester.

If, at the end of the semester subsequent to the one in which the work began, the course requirements are not completed, the registrar will consult with the instructor as to the disposition of the grade (normally conversion to an "F" grade).

•CR (CREDIT) and NC (NO CREDIT) are the marks recorded for courses in which traditional grades (A, B, and so forth) are not awarded. Such courses are noted in the catalog.

■ Grade-Point Average.

For the purpose of computing a student's average, A = 4, A- = 3.667, B+ = 3.333, B = 3, B- = 2.667, C+ = 2.333, C = 2, C- = 1.667, D+ = 1.333, D = 1, D- = 0.667, and F = 0. The average is determined by dividing the number of points earned during the semester by the number of graded credits carried. The cumulative grade-point average is the total of all grade points earned divided by the total number of graded credits taken. Courses transferred from other institutions are not included in the grade-point average. Only courses for which final letter grades have been recorded are included in the grade-point average.

Courses taken after graduation are not included in the cumulative grade point average.

■ Repeating a Course.

Repeating a course eliminates the grade and credit previously earned and substitutes for it the current grade and credit earned in the calculation of the grade-point average. Both the earlier and the later grades continue to be shown on the transcript. Students who wish to repeat a course they have previously taken must file the appropriate form with the registrar's office and the financial aid office.

■ Appeals and Petitions.

A student has the right of appeal regarding any academic regulation. A student wishing to appeal a grade should first consult the instructor awarding the grade, then the chair of the department. Further appeal can be made by petitioning the Vice President for

Academic Affairs, who may act or send the petition to the Admissions and Academic Affairs Committee of the faculty for its consideration and advice. A separate grievance procedure applies on matters related to teacher education and certification issues and the procedure in such situations is governed by the statement of Teacher Education Program Procedures.

■ Academic Honors.

•COLLEGE HONORS AT GRADUATION. College Honors celebrate overall academic achievement. Students with a cumulative grade-point average of 3.50 or higher are graduated cum laude, with 3.75 or higher magna cum laude, and with 3.90 or higher summa cum laude.

•HONOR SCHOLARS. Students who successfully complete the Honors Program will be recognized at Commencement; this status will also be noted on transcripts.

•DEPARTMENTAL HONORS. Departmental Honors at graduation are based on superior performance in the culminating experience of the major department, provided that the student has a grade-point average of 3.50 or higher in courses taken toward the major in that department. The department may establish additional requirements.

•ELIGIBILITY FOR DEAN'S LIST. At the end of each semester, students earning at least 12 semester hours of letter-grade credits and achieving a grade-point average of 3.67 or higher are named to the Dean's List.

•ELIGIBILITY FOR HONOR ROLL. At the end of each semester, students earning at least 12 semester hours of letter-grade credits and achieving a grade-point average of 3.50 or higher are named to the Honor Roll.

■ Academic Status.

•CLASSIFICATION. A full-time student is any student officially enrolled for 12 or more credits per semester. Part-time students are classified as follows: A half-time student is any student enrolled for fewer than 12 but not fewer than six credits per semester. A student who is less than half-time is one officially enrolled for fewer than six credits per semester. Official enrollment is defined as the credits for which a student is registered at the end of the period for adding a course.

All students are classified at the beginning of each semester on the number of credits earned: freshman, fewer than 28 credits; sophomore, 28 but fewer than 59 credits; junior, 59 but fewer than 90 credits; and senior, 90 or more credits.

■ Academic Progress and Standing.

The typical full-time, degree-seeking student earns 14-17 hours each semester. By earning 31 semester hours each year a student will normally have earned the 124 semester hours needed to graduate within four years. A student must continue to progress and earn hours toward the degree in order to maintain acceptable academic standing. When a student falls below the acceptable standard, probation or dismissal occurs.

The table at the top of page 22 sets forth the college's expectations for acceptable academic progress and standing. It also outlines the college's probation and dismissal guidelines when a student falls below acceptable academic progress and standing.

•ACADEMIC EXPULSION. Academic expulsion may be imposed if a student's performance following readmission after academic dismissal continues to fall below College standards. Such expulsion is a

ACADEMIC PROGRESS REQUIREMENTS

Semester In Attendance	Cumulative Registered Hours*	SATISFACTORY				UNSATISFACTORY		
		Expected		Acceptable		Probation		Dismissal****
		Cumulative Earned Hours**	Min. Req. Cumulative GPA	Cumulative Earned Hours**	Min. Req. Cumulative GPA	Cumulative Earned Hours**	Min. Req. Cumulative GPA	Cumulative GPA
1	15	15	2.0	12	1.6	<12	<1.60	<0.8
2	31	31	2.0	24	1.8	<24	<1.8	<1.4
3	46	46	2.0	36	1.9	<36	<1.9	<1.6
4	62***	62	2.0	48	2.0	<48	<2.0	<1.7
5	77	77	2.0	60	2.0	<60	NA	<2.0
6	93	93	2.0	72	2.0	<72	NA	<2.0
7	108	108	2.0	85	2.0	<85	NA	<2.0
8	124	124	2.0	98	2.0	<98	NA	<2.0
9				111	2.0	<111	NA	<2.0
10				124	2.0	<124	NA	<2.0

* Registered hours include all transfer credits and all hours for which a student was officially enrolled (excluding audit classes) at the end of the period for adding a course.

** Earned hours include all transfer credits and all hours a student has successfully completed at Monmouth College.

*** After reaching a combined sum of 60 "registered semester hours," a student will immediately lose eligibility for all Federal, State and Monmouth College financial assistance if the student's cumulative GPA falls below 2.00.

**** Dismissal may also result from insufficient cumulative semester hours earned. Please refer to the text.

permanent separation of the student from the College and is noted on the transcript.

■ Transfer Policies.

• **TRANSFERS FROM OTHER INSTITUTIONS.** Students who wish to transfer to Monmouth College must submit all previous college transcripts and should meet with the transfer coordinator to discuss the application process. The Registrar will complete a transcript analysis to determine the academic status of the transfer student. Any course taken at another accredited institution is transferred provided that a grade of C- or higher was earned and that the course is acceptable at Monmouth College. Grades of transferred courses are not included in calculating grade-point averages. No student will be allowed to exceed 62 total transfer credits.

The Dean of Admission admits qualified transfer students who seek to matriculate at Monmouth College. (See Admission Section of Catalog). Prior to paying the enrollment

deposit and registering for classes, transfer students, with assistance from the transfer coordinator, should meet with a professor in the department in which they wish to major. During this visit, the faculty member will identify which transfer courses count toward the major and determine the number of remaining courses required in the major. Finally, working together, the student and faculty member will design the graduation plan. This visit is essential in that it provides transfer students an opportunity to find out more about their fields of study and to estimate the projected time it will take to complete a degree at Monmouth College.

• **TRANSFER OF CREDIT FOR CURRENT STUDENTS.** For students enrolled at Monmouth College, the written approval of the registrar and the advisor is required in advance if courses are to be taken at another institution for transfer credit. No more than 31 transfer credits will be allowed after matriculation. No student will be allowed to exceed 62 total transfer credits.

The transfer of credits is not complete until the Registrar receives an official transcript from the institution at which the work was taken. Work that is being transferred is not considered in determining a student's academic status until the transcript is received.

• ASSOCIATE DEGREE TRANSFERS.

The registrar determines which transferred courses satisfy the degree requirements of Monmouth College. A community college graduate who has been admitted to Monmouth College with the Associate of Arts or Associate of Science degree *may be* admitted with junior standing (that is, with a maximum of 62 semester hours of transfer credit).

■ Academic Probation and Dismissal.

Academic probation is a serious warning status. Monmouth College alerts students with a pattern of low grades or slow accumulation of hours that their performance, if continued, will not qualify them to continue at Monmouth College. A student placed on academic probation will be required to consult with a faculty advisor and to draw up a plan detailing steps toward recovery of acceptable academic status. In addition, students on probation may be restricted by the Admissions and Academic Status Committee from participation in extracurricular activities for the term of the academic probation.

A student may be placed on probation for a maximum of two consecutive semesters. In the first semester of academic probation the student must attain a semester GPA of at least 2.00 and must earn at least 12 semester hours of credit to demonstrate acceptable progress toward academic acceptable standing. Failure to meet these requirements will result in dismissal at the end of the first semester of academic probation. By the end

of the second consecutive semester on academic probation, the student's cumulative GPA and number of credits earned must comply with the minimum standards for academic acceptable standing set forth in the preceding tables. Failure to meet these requirements will result in dismissal at the end of the second semester of academic probation.

A student who has completed five or more semesters must constantly maintain a cumulative GPA of 2.00 or greater. Failure to maintain a cumulative GPA of 2.00 or greater after having completed five or more semesters will result in immediate dismissal. No probationary period will be granted.

■ Non-Degree Seeking Students.

Non-degree seeking students need not complete course work as shown in the above referenced table but must maintain the cumulative grade point average of 1.60 prior to the completion of their first 24 credits, 1.80 after 24 credits but prior to completion of their first 48 credits, and 2.00 thereafter.

■ Appeal Process.

A student has the right of appeal when notified of academic dismissal. A written appeal must be submitted to the Vice President for Academic Affairs within five days of receipt of notification. Appeals will normally be heard by the Admissions and Academic Status Committee, which will make its recommendation to the Vice President for Academic Affairs. The Vice President for Academic Affairs will render a final decision and the student will be notified of the decision prior to the beginning of the following semester. Students should be aware that academic dismissal and loss of financial aid eligibility are two separate issues. Appeals must be made separately to the appropriate offices. For more information on Financial

Aid Eligibility Appeals see the section entitled *Financial Aid: Satisfactory Progress Policy*.

The College may at any time dismiss a student when it is evident that the student is not serious in seeking an education at the College or when the student's academic performance or other behavior has become disruptive to the academic mission of the College.

The College seeks by these procedures to demonstrate its concern for the individual student as well as for a campus atmosphere conducive to serious academic effort. While wishing to help students recover from disappointing academic performance, the College will not encourage a student to stay who seems unlikely to benefit by remaining on campus.

Academic probation and dismissal are noted on the academic transcript.

■ **Financial Aid: Satisfactory Progress Policy.**

Satisfactory academic standing is required in order for a student to maintain eligibility for financial assistance. At the end of each semester, after final grades have been issued, the Director of Financial Aid will verify the academic standing of each student.

Students who qualify to enroll at Monmouth College and who have registered for a combined sum of fewer than 60 semester hours remain eligible for financial assistance at Monmouth College. "Registered Semester Hours" include all transfer hours and all hours for which a student has officially enrolled (excluding audit classes) at Monmouth College. Official enrollment is defined as the hours for which a student is registered at the end of the period for adding a course. After reaching a combined sum of 60 "registered semester hours," a student will lose eligibility for all Federal, State, and

Monmouth College financial assistance immediately if the student's cumulative GPA falls below 2.00. No advance warnings of pending loss of financial assistance can be given.

In any semester where a student has lost eligibility of financial assistance, the student may appeal to the Director of Financial Aid for the reinstatement of eligibility if the student can show that their cumulative GPA fell to less than 2.00 during the semester as the result of 1) the death of an immediate relative of the student, 2) a severe injury to the student, or 3) a severe illness of the student.

If an appeal is granted and the financial aid eligibility is restored, the student will be placed on financial aid probation and will be eligible to receive financial assistance for one semester. If, at the end of the semester on financial aid probation, a student does not establish a cumulative GPA of 2.00 or greater, no further aid eligibility can be allowed.

■ **Disciplinary Dismissal and Expulsion.**

A student dismissed for disciplinary reasons will be given a grade of WF in cases where the work of the course has not been completed prior to dismissal. Dismissal for disciplinary reasons shall be for not less than the remainder of the academic semester in which the action was taken and not more than one academic year. Students may apply for readmission upon the completion of the semester of dismissal.

A student who is expelled for disciplinary reasons will be given a grade of WF in cases where the work of the course has not been completed prior to expulsion. Students expelled for disciplinary reasons may not enroll at the College again.

Disciplinary dismissal and expulsion shall be recorded on the academic record. When

dismissed or expelled from the College, a student may not be eligible for a refund.

■ **Academic Dishonesty.** Academic dishonesty may result not only in failure in the course, but in dismissal or expulsion from the College. Incidents of academic dishonesty will be reported to the Vice President for Academic Affairs.

■ **Auditing a Course.** To encourage students to broaden their educational experience as much as possible, Monmouth College offers students the opportunity to audit courses. Auditing means attending lecture sessions but not writing papers, participating in laboratory work, or taking exams. While the student receives no academic credit, if attendance has been satisfactory, AU will be recorded on the student's permanent transcript.

Full-time students may audit courses without charge, if there is space available at the conclusion of the enrollment period. Part-time students will be charged an audit fee.

Students may change the audit credit to academic credit during the first week of classes; academic credit may be changed to audit credit prior to the last six weeks of the semester and such a change is reflected on the transcript. Students may later repeat an audited course for academic credit.

■ **Course Syllabi.**

Each instructor provides a syllabus (or assignment sheet) for each course so that students may better understand the course goals and their responsibilities in reaching these goals. This syllabus is given to the students at the first meeting of the class. This syllabus should include:

1. topics proposed to be covered in the course,

2. the approximate time when specific materials are proposed to be covered, examinations taken, and papers or projects completed,

3. the basis on which grades are determined and other relevant information regarding the course,

4. the means by which any major change in the syllabus would be announced.

■ **Final Examinations.**

The final examination period is considered to be a regular part of the academic semester. It is expected that instructors will administer final examinations in all regularly scheduled courses with the exception of independent studies. Each final examination must be given during its assigned examination period. In those infrequent cases of courses where traditional examination procedures do not appear applicable or practical, the instructor is expected to use the scheduled examination period as a scheduled class period for the semester.

■ **Convocations.**

The academic program of the College is supported by a weekly convocation program. Six to 10 times a semester, at 11 a.m. on Tuesday, all other academic activities, including classes, are suspended and faculty, students, and other members of the College community gather in the Auditorium to hear an address by a guest speaker. The first convocation in the fall semester is a Matriculation Ceremony initiating freshmen into the College. Every April there is an Honors Convocation to recognize students for outstanding academic achievements.

■ **The Family Educational Rights and Privacy Act.**

The Family Educational Rights and

Privacy Act (FERPA) affords students certain rights with respect to their education records. They are:

1. The right to inspect and review the student's education records.
2. The right to request the amendment of the student's education records to ensure that they are not inaccurate, misleading, or otherwise in violation of the student's privacy or other rights.
3. The right to withhold disclosure of Directory Information contained in the

student's education records, except to the extent FERPA authorizes disclosure without consent.

4. The right to file with the U.S. Department of Education a complaint concerning alleged failures by Monmouth College to comply with the requirements of FERPA.

5. The right to obtain a copy of Monmouth College's FERPA Policy Statement which is on file in the Office of the Registrar.

COURSES OF INSTRUCTION

ART

Cheryl L. Meeker, Assistant Professor, Chair
Harlow B. Blum, Professor
George L. Waltershausen, Professor
Stacy Ashton, Instructor
Carla Markwart, Lecturer

■ **Art Major.** The major in art requires at least 36 semester hours in the department, including Art 121; 123 or 125 or 126; 142 or 144; 200; 201; 240; nine semester hours from Art 211, 236, 241, 242, 244 (240, 241, 242, and 244 may be repeated for credit once and only one of these courses may be repeated); 302; six semester hours from Art 304, 306, 320, 361, or 420; and 450.

■ **Art Minor.** A minor in art requires at least 21 semester hours in the department, including Art 121; four semester hours from Art 123, 125 or 126, 142, or 144; 200; 201; six semester hours from Art 211, 236, 240, 241, 242, 243, or 244; and 361.

■ **Teacher Certification.** Students interested in certification to teach art at the secondary level are, in addition to the major described above, required to take Art 341, and if K-12 certification Art 334 must also be included. The department counsels such students to include Art 125 or 126 and 211

in their major. Additional requirements for teacher certification in elementary and secondary art are detailed in the catalog section about the Education Department.

121G. Drawing I. A study of composition (the organization of space and shapes) and materials (pencil, charcoal, and ink). Landscape, still life, and the human figure are emphasized as subjects. (Two credits.)

123G. Sculpture I. A study of three-dimensional form in plaster, cast or welded metal, wood and mixed media. Problems in space, mass, and surface are emphasized in addition to various techniques. (Two credits.)

125G. Ceramics I: Hand-built Clay. An introduction to forming and firing of hand-built clay forms. Emphasizes the development of sensitivity to materials and processes and the acquisition of technical skills. Students complete several projects and gain a basic theoretical knowledge of clays, glazes, kilns, and firing. (Two credits.)

126G. Ceramics I: Wheel-thrown Clay. An introduction to forming and firing of wheel-thrown clay forms. Emphasizes the development of sensitivity to materials and processes and the acquisition of technical skills. Students complete several projects and gain a basic theoretical knowledge of clays,

glazes, kilns, and firing. (Two credits.)

142G. Painting I. An introduction to the terms, media, and techniques of painting with special attention to color and composition. The variety of expression and style is explored. (Two credits.)

200G. Introduction to the History of Art: Prehistoric through Medieval. The course emphasizes a chronological study of major works of art from prehistory through the fourteenth century. Arts of Europe, Africa, Asia, and the Americas are considered in their cultural context to gain a more complete understanding of artistic expression. (Three credits.)

201G. Introduction to the History of Art: Renaissance through Modern. The course emphasizes a chronological study of significant works of art from the Renaissance through the 20th century. Certain monuments are examined in their context to gain a more complete understanding of how art reflects the particular time and place in which it is produced. (Three credits.)

211G. Design. Fundamental elements and principles of two- and three-dimensional design are covered in projects that emphasize visual communication. (Offered alternate years in Spring Semester; 1998-1999, 2000-2001, 2002-2003.) (Three credits.)

236G. Photography. A study of the basic operation of the camera, film processing, and printing. Includes lectures and readings on the history of photography. Several kinds of photographic images are produced, including double printing and serial imagery or *cliche verre*. Offered Spring Semester. (Three credits.)

240, 241, 242, and 244 may be repeated for credit once but only one of these courses may be repeated.

240. Drawing II. A continuation of Art 121 with increased emphasis on the skills and problems of the individual student. Prerequisite: Art 121. (Offered alternate years in Spring Semester; 1999-2000, 2001-2002.) (Three credits.)

241. Painting II. A continuation of Art 142 with increased emphasis on the skills and ideas of the individual student. Prerequisite: Art 142. (Three credits.)

242. Sculpture II. A continuation of Art 123 with more attention to the individual student's special needs and interests. Prerequisite: Art 123. (Three credits.)

244. Ceramics II. A continuation of Art 125 and/or 126 with emphasis on articulation of increasingly complex forms. Focus also on skills in loading and firing various kilns and glaze preparation. Prerequisite: Art 125 or Art 126 (Three credits.)

250. Special Topics. (Three credits.)

302. Contemporary Art. An examination of developments, major movements, and directions in art from 1900 to the present. The course emphasizes an analysis of art movements beginning with the modern era and concluding with recent trends. (Offered alternate years in spring semester; 1998-1999, 2000-2001, 2002-2003.) (Three credits.)

304G. Asian Art and Culture. The course will provide a general introduction to the most significant art forms in Asian art and will shape the general student's awareness of

the cultural heritage of the Far East. (Three credits.)

306G. Women, Art, and Feminism. A general introduction to the special position of women in art from the earliest documented record through contemporary eras by illustrating women's artistic production, and by critically examining the view of women in visual arts. Eras are examined in their cultural context to gain a complete understanding of how women's art production reflects the particular time and place in which it is produced. (Offered alternate years in spring semester; 1999-2000, 2001-2002.) (Three credits.)

320. Junior Independent Study. An individual program of research or a creative project arranged in consultation with the faculty and designed to meet the needs of the student. (Three credits.)

334. Teaching of Art in the Elementary School. A study of the objectives, content, and methods of teaching elementary-school art. Prerequisite: Education 201 or consent of instructor. (Also Education 334.) (Three credits.)

341. Secondary Art Education Methods. A study of the role of art in the schools, trends in art education, instructional strategies, and the evaluation of student work. Opportunities to observe high school art programs are provided. Corequisite or prerequisite: Education 340. (Three credits.)

361. Open Studio. An upper level studio course to provide a concentration on one medium beyond the 200 level or to explore the interrelationships of several media. May be repeated for credit. Prerequisite: 200 level studio course or consent of the instructor. (Three credits.)

420. Senior Independent Study. An individual program of research designed in consultation with the faculty in an area of special interest to the student. (Three credits.)

450. Art Seminar. Art criticism, discussion of specialized topics, and individual creative projects. The senior art exhibition is a part of both the seminar and the art major and is the culminating experience of the art student's work. Required of senior art majors or by special permission of the faculty. Offered Spring Semester. (Three credits.)

BIOLOGY

Kenneth Cramer, Associate Professor, Chair
Charles T. Hammond, Associate Professor
Carol Maillet, Assistant Professor
Heike McConnell, Lecturer

The curriculum in biology offers an opportunity for students to understand the structures and processes that characterize life and to appreciate the tremendous diversity of living organisms. Course work is balanced among three scales of biological resolution: cellular, organismal, and ecological. An important component of the major is independent research which enables the student to become familiar with the process of science by investigating a specific biological problem in the laboratory or field.

Most courses are extensive rather than intensive in content, thus providing the student with considerable breadth in the biological sciences as a whole. Such training may lead to more specifically focused work in a graduate or professional program, to employment in government or industry, or to teaching at the secondary or college level. Biologists who are graduates of liberal arts colleges often offer employers a broader, more flexible outlook in approaching problems.

The department of biology occupies the fourth floor of the Haldeman-Thiessen Science Center. In addition to the comfortable classrooms and well-equipped laboratories that this building provides, the department has access to the facilities, habitats, and programs described below.

Ecological Field Station. In 1969, the department of biology established the Monmouth College Ecological Field Station on the backwaters of the Mississippi River

near Keithsburg, Illinois. Just 30 minutes from campus, this classroom-laboratory in the field lends particular strength to the department's instruction in field-oriented courses. It is used as well for student and faculty research. The station is equipped for year-round use and offers ready access to a variety of upland and riparian woodlands and to the river itself.

Biological Station. A recently acquired 16.5-acre plot of land within an easy 10-minute walk from campus will provide new opportunities for field research. Rolling hills bisected by a large stream offer upland grassland, forest, riparian, and aquatic habitats for study. Restoration of the entire area to pre-settlement conditions (including several acres of native tall grass prairie) will provide abundant opportunities for student research. Water quality and aquatic ecology studies are also possible in the stream.

Prairie Plot. Members of the biology faculty are trustees of Spring Grove Cemetery, giving Monmouth students access to one of the finest virgin prairie plots in Illinois. The plants present in the plot remain from pre-settlement times. The plot therefore offers unique opportunities for research on prairie plants and soils and on the microfauna that find habitat among them.

Hamilton Pond. This healthy, freshwater environment was deeded to Monmouth College for use by the department of biology as a teaching resource. Just one block from campus, Hamilton Pond is a rich source of invertebrate animals and aquatic plants for use in laboratories. The pond also offers opportunities for research in aquatic biology.

ACM Wilderness Field Station. The

Associated Colleges of the Midwest maintains a field station on the edge of the Boundary Waters Canoe Area wilderness in northern Minnesota. Each summer, the ACM administers two academic sessions at the station in which students can take course work for credit on their home campuses. Most courses are ecological in nature and emphasize familiarization with naturally occurring organisms and habitats by immersion in a wilderness setting. An extended canoe trip from the field station into Quetico Provincial Park of Canada constitutes a part of most courses.

■ **Biology Major.** The major in biology consists of Biology 111, 112, 200, 202, 204, 307 (or appropriate course at the ACM Wilderness Field Station), 350 (to be taken for two credits), 420, 421 (or appropriate summer research experience); Chemistry 130, 140, and 220/225 (taken concurrently); Mathematics 106, 151; and Physics 130, or approved substitute.

■ **Biology Minor.** A minor in biology consists of Biology 111, 112, 200, 202, 204, and 307 (or appropriate course at the ACM Wilderness Field Station).

■ **Teacher Certification.** The Biology major who seeks secondary certification must complete the major cited above. This work also qualifies the candidate to teach general science. Other requirements for certification are described in the Education Department section of the catalog. Education 342 must be included with this work.

101G. Life on Earth. A broad survey of organisms and life processes and the forces that shaped and continue to shape our ecosystem. (Four credits.)

111G. *General Zoology. A study of the animal kingdom that surveys major groups and investigates the structure, function, evolution, and ecology of representative forms. (Four credits.)

112G. **General Botany. Introduction to the traditional plant kingdom emphasizing the algae, fungi, bryophyta, ferns, conifers, and flowering plants. The taxonomy, life cycles, growth habits, gross structures, and limited functions are studied. (Four credits.)

200. Cell Biology. Introductory study of the structure and function of living cells and their components. Prerequisites: Biology 111 or 112 and Chemistry 130. (Four credits.)

201G. Field Botany. A study of plant associations and the abiotic conditions that permit their development. The laboratory is concentrated at the Ecological Field Station with visits to other types of plant habitats. (Four credits.)

202. Genetics. An introduction to the principles of heredity in animals and plants, including the contemporary understanding of genes and gene mechanisms. Laboratory exercises use both plants and animals to elucidate genetic principles. Prerequisites: Junior standing, Biology 111 or 112 or 200 or consent of the instructor. (Four credits.)

203. Comparative Vertebrate Morphology. A comparative and functional study of vertebrate anatomy from an evolutionary perspective. Taught in alternate years. Prerequisite: Biology 111. (Four credits.)

204. Human Anatomy and Physiology. A systematic analysis of the structure and function of the human body. Taught in alternate years. Prerequisite: Biology 111 or

consent of the instructor. (Four credits.)

250. Special Topics. (One to four credits.)

300. Special Problems. A special course in a laboratory exercise, a field problem, or readings for the student who wishes to investigate a topic in biology beyond those normally offered. The particular problem is selected in consultation with the biology faculty. (One to three credits.)

302. Microbiology. A general study of microorganisms (bacteria and fungi), emphasizing morphology, physiology, ecological relationships, and the nature of disease and its control. Consideration is also given to viruses. Laboratory sessions provide for experimental demonstration of basic concepts and for familiarization with fundamental microbiological methods. Prerequisite: Biology 200. (Four credits.)

303. Cell Physiology. A detailed analysis of protoplasmic processes in animal, plant, and microbial cells. Taught in alternate years. Prerequisites: Biology 200 and Chemistry 140. (Four credits.)

307. Ecology. An introduction to the principles and concepts that describe the interactions of living organisms with their environments. Laboratory sessions involve field study of local flora and fauna and their habitats with the aim of illustrating fundamental concepts and basic ecological methodology. Prerequisites: Biology 111 and 112 and Mathematics 106. (Four credits.)

308. Vertebrate Embryology. A descriptive study of development and differentiation in vertebrates. Laboratory sessions are balanced between detailed microscopic examination of vertebrate embryos and experimental study

of growth processes. Taught in alternate years. Prerequisite: Biology 111. (Four credits.)

315. Field Zoology. Advanced study of the ecological relationships of animals in their natural environments, particularly as it relates to the conservation of biological diversity. Lectures focus on systematics, zoogeography, natural history, and conservation of animals. Labs emphasize: 1) identification and scientific nomenclature of animals groups with an emphasis on local and regional fauna, and 2) design and implementation of field experiments in ecology, which includes a class and individual research topic. Prerequisite: BIOL 111 and BIOL 112 and junior standing (or instructor's consent). (Four credits.)

325. Advanced Physiology. Detailed study of human cellular and systemic physiology, emphasizing muscle, cardiovascular, neural, respiratory, renal, and reproductive physiology. Advanced Physiology will build on fundamental knowledge acquired in BIOL 204. Laboratory exercises will be both descriptive and experimental. Taught in alternate years. Prerequisite: BIOL 204. (Four credits.)

350. Science Seminar. An introduction to the literature of the physical and biological sciences, providing the student with the opportunity to prepare and present reports. Speakers from outside the College are invited to speak each semester. May be repeated for credit. CR/NC. (One credit.)

354. Molecular Biology. A course designed to explore the biology and molecular regulation of gene expression. Emphasis is placed on how gene expression is controlled in both eukaryotic and prokaryotic systems.

Topics will include gene transfer in microorganisms and the genetic basis of cell specialization in eukaryotes. Manipulation of these processes in the laboratory will also be discussed. Prerequisite: Biology 200 or instructor's consent. (Three credits.)

355. Molecular Biology Laboratory.

Molecular biology laboratory is the companion course to BIOL 354 and will practice concepts taught in the lecture. Basic molecular biology techniques will be employed and include the preparation of reagents, DNA isolation, plasmid manipulation and DNA transfection. Students will have the opportunity to apply current recombinant *in vitro* DNA technology in preparation and expression of a transgene using a prokaryotic system. Prerequisite: Concurrent enrollment in BIOL 354. (Two credits.)

420. Introduction to Research. An introduction to the elements of scientific

research, including literature review, experimental design, data analysis, proposal preparation, and scientific writing. Students select, plan, and begin to execute a research project in consultation with biology faculty. Prerequisite: Must be taken during junior year. (Three credits.)

421. Research I. An individual research project chosen by the student in consultation with the biology faculty. Includes designing and executing the research and reporting the results orally and in a formal scientific paper. Prerequisite: Senior standing or consent of biology faculty. (Three credits.)

422. Research II. A continuation of Biology 421. (Three credits.)

**General Education for Biology, Environmental Science, and Health careers majors only.*

***General Education for Biology and Environmental Science majors only.*

CHEMISTRY

George C. Nieman, Professor, Chair

Peter A. Gebauer, Professor

Richard L. Kieft, Professor

■ **Chemistry Major.** A major in chemistry consists of Chemistry 130, 140, 220, 230, 310, 315, 320, 325, 330, 335, 340, 350 (taken four times for a total of four credits), and 420 or 430. In addition, two semesters each of calculus and physics are required. German is the preferred foreign language for chemistry majors.

The culminating experience for chemistry majors consists of an independent study project (Chemistry 420 or 430) and four semesters of seminar (Chemistry 350).

■ **Chemistry Minor.** A minor in chemistry consists of six courses: Chemistry 130, 140, 220, 230, 310, and 315.

■ **Teacher Certification.** A chemistry major can prepare to teach chemistry at the secondary level by completing the major requirements noted above and the other requirements cited in the Education Department section, including Education 342. The candidate should also complete eight semester hours of biology to qualify to teach general science.

100G. Chemistry: A Cultural Approach. An introduction to various topics related to chemistry, emphasizing issues which particularly affect the general public. (Four credits.)

130G. Organic Chemistry I. A survey of organic chemistry including the structure and reactions of some biologically important molecules. Also includes a qualitative

introduction to chemical equilibrium. (Four credits.)

140. General Chemistry I. A general study of the properties, structure, and bonding of elements and compounds. Chemical calculations and an introduction to chemical thermodynamics are also included. Prerequisite: Chemistry 130. (Four credits.)

220. Introductory Analytical Chemistry. An introduction to data analysis, quantitative principles of chemical equilibrium, and quantitative analysis. Prerequisite: Chemistry 140. (Four credits.)

230. Organic Chemistry II. A study of the structure and reactivity of organic molecules, including kinetics and reaction mechanisms. Prerequisite: Chemistry 220. (Four credits.)

250. Special Topics. (One to four credits.)

310. Physical Chemistry I. Emphasizes classical chemical thermodynamics. Prerequisites: Chemistry 230, Mathematics 152, and Physics 132. (Three credits.)

315. Physical Chemistry Laboratory and Report Writing. Laboratory associated with Chemistry 310 and normally taken concurrently. Lectures deal with scientific report writing and use of the literature of chemistry. Corequisite: Chemistry 310. (Two credits.)

320. Physical Chemistry II. Emphasizes statistical thermodynamics, kinetics, and the theory of chemical reactions. Prerequisite: Chemistry 310. (Three credits.)

325. Integrated Laboratory. Laboratory projects employing techniques from all areas of chemistry, but emphasizing synthesis and

instrumental techniques. Prerequisite: Chemistry 315. Corequisite: Chemistry 340. (Two credits.)

330. Biochemistry. A study of the chemistry common to most living organisms. Metabolic pathways, regulation and control mechanisms, and molecular biology are stressed. Corequisite: Chemistry 310. Prerequisite: Chemistry 230. (Three credits.)

335. Biochemistry Laboratory. A study of separation and purification of enzymes and measurement of their kinetics. Corequisite: Chemistry 330. (One credit.)

340. Advanced Analytical Chemistry. A study of the principles and practice of modern instrumental methods of analysis and of chemical instrumentation. Spectroscopic, electrical, and magnetic procedures are emphasized. Corequisite: Chemistry 325. Prerequisite: Chemistry 310. (Three credits.)

350. Science Seminar. An introduction to the literature of the physical and biological sciences providing the student with the opportunity to prepare and present oral reports. Required of juniors and seniors majoring in chemistry. May be repeated for credit. CR/NC. (One credit.)

360. Advanced Physical Chemistry. Emphasizes the applications of quantum mechanics to problems of structure, bonding, and spectroscopy. Corequisite: Chemistry 310. (Three credits.)

370. Advanced Inorganic Chemistry. A study of the structure, bonding, stability, and reactivity of coordination complexes, including organometallic compounds. The chemistry of other selected inorganic systems is also discussed. Corequisite: Chemistry 310. (Three credits.)

380. Advanced Organic Chemistry. An advanced and, where possible, quantitative study of the relationship between the structure of organic species and their stability and reactivity. Corequisite: Chemistry 310. (Three credits.)

420. Independent Study. A laboratory, library, or fieldwork topic of special interest to the student pursued under the supervision of a faculty member. The project may be performed off campus. (One to three credits.)

430. Research. An original laboratory project chosen in consultation with the chemistry faculty. Research may be performed off campus. Prerequisite: Chemistry 310. (One to three credits.)

CLASSICS

Thomas J. Sienkewicz, Professor, Chair
Virginia Hellenga, Lecturer
William L. Urban, Professor

■ **Classics Major.** A major in Classics consists of a minimum of 30 semester hours, including Classics 211; 212; and 230. Language proficiency at the 102 level in Latin or Greek is also required.

■ **Greek Major.** A major in Greek consists of a minimum of 30 semester hours, including 18 credits in Greek above the 100 level and Classics 211 and 230.

■ **Latin Major.** A major in Latin consists of a minimum of 30 semester hours, including 21 credits in Latin above the 100 level and Classics 212 and 230.

■ **Classics Minor.** A minor in Classics consists of 15 semester hours in Classics.

■ **Greek Minor.** A minor in Greek consists of 15 semester hours, including nine credit hours above the 100 level.

■ **Latin Minor.** A minor in Latin consists of 15 semester hours, including nine credit hours above the 100 level.

■ **Teacher Certification.** The Classics and Education Departments cooperate in offering a program, approved by the Illinois State Teacher Certification Board, that leads to certification of secondary level teachers of Latin. For certification, the state board requires a minimum of 32 credits in the field plus Latin 435. A candidate with certification in another field may qualify to teach Latin with 20 credits in a second teaching field. An

individually-designed program which satisfies this need is formulated for the teaching candidate.

LANGUAGE COURSES

LATN 101G. Elementary Latin I. An introduction to Latin grammar and syntax with simple readings and translation. (Four credits.)

LATN 102G. Elementary Latin II. A continuation of Latin 101. Prerequisites: Latin 101 or permission of the instructor. (Four credits.)

LATN 201. Directed Readings. Reading, translation, and discussion of selected texts to be determined on the basis of student needs. May be repeated for credit with different topics. Prerequisite: Latin 102 or permission of the instructor. (One to four credits.)

LATN 401. Individualized Study. Independent study in the Latin language or in individual Latin authors not included in regular courses or studied in greater depth than a regular course permits. May be repeated for credit with different topics. (One to four credits.)

LATN 420. Prose Composition. Prose composition in Latin. For advanced students only. (Three credits.)

LATN 435. Methods of Teaching Latin. A study of instructional methods and materials used in teaching high school Latin and of technical problems associated with teaching Latin grammar and translation. Corequisite: Education 340. (Three credits.)

GREK 101G. Elementary Greek I. A study of grammar and syntax of ancient Greek with simple readings and translation. (Four credits.)

GREK 102G. Elementary Greek II. A continuation of Greek 101. (Four credits.)

GREK 201. Directed Readings. Reading, translation, and discussion of selected texts to be determined on the basis of student needs. May be repeated for credit with different topics. Prerequisite: Greek 101 or permission of the instructor. (One to four credits.)

GREK 212G. Biblical Greek. Selections from the Greek Septuagint and New Testament. Prerequisite: Greek 101 or its equivalent. (Three credits.)

GREK 401. Individualized Study. Independent study in the Greek language or in individual Greek authors not included in regular courses or studied in greater depth than a regular course permits. For advanced students only. May be repeated for credit with different topics. (One to four credits.)

CIVILIZATION COURSES

CLAS 211G. History of Greece. A study of classical Greece concentrating on ancient historians and their works. (Listed also as History 211.) (Three credits.)

CLAS 212G. History of Rome. An interpretation and evaluation of Roman civilization with special emphasis on the late Roman republic. (Listed also as History 212.) (Three credits.)

CLAS 224. Word Elements. An English vocabulary-building course that emphasizes the Greek and Latin roots of the English language, the meanings of prefixes and suffixes from Greek and Latin, and basic linguistic concepts. (Three credits.)

CLAS251. Scientific Terminology.

Examines Greek and Latin word elements in a variety of scientific language contexts, including medicine, biology, chemistry, and physics. Considers ways to use technical dictionaries and Greek and Latin roots of the English language to understand and use scientific terminology. (One credit.)

CLAS 401. Individualized Study.

Independent study of classical topics not included in regular courses or studied in greater depth than a regular course permits. For advanced students only. May be repeated with different topics. (One to four credits.)

TRIAD COURSES

The center of the classics curriculum at Monmouth College is the triad course, taught simultaneously in translation and in the original languages, according to student needs. This unique approach brings together students who can work in the original languages and those who cannot and provides benefits to each. In translation, students are exposed to textual analysis in the original languages, and language students have the advantage of broader discussions of the readings than a language course usually permits.

In all triad courses, collateral subjects, including art, archaeology, history, and literature, are studied in order to provide an overview of classical civilization through a focus on particular authors, periods, and genres. Classics majors who take a series of triad courses will have a solid foundation in the classical world in its broadest scope. In all triad courses, students study not just an ancient language and its literature but an ancient culture in its fullest context.

Triad courses are offered in units of three: Classics, Latin, and Greek. A student cannot enroll in more than one unit at the same time. Classics courses require no knowledge of

either Latin or Greek. All triad courses devote at least some attention to the influence of the subject on later Western culture.

CLAS 210G. Ancient Literature. A study in translation of literary themes and ancient genres as works of art, this course considers ancient Greek and Roman expressions of the creative imagination in literature and the theater and their links with contemporary culture and the fine arts. Each time it is offered, this course covers different genres, including epic, tragedy, comedy, the novel, lyric poetry, and satire or different themes, such as the trickster, love and marriage, and the generation gap. May be repeated for credit with different topics. (Three credits.)

LATN 210. Roman Literature. Readings in Latin in the topics and genres covered in Classics 210. Authors to be read may include Vergil, Seneca, Terence, Plautus, Petronius, Horace, Catullus, and Juvenal. May be repeated for credit with different topics. (Three credits.)

GREK 210. Greek Literature. Readings in Greek in the topics and genres covered in Classics 210. Authors to be read may include Homer, Aeschylus, Sophocles, Euripides, Aristophanes, the Greek novelists, Sappho, and Archilochus. May be repeated for credit with different topics. (Three credits.)

CLAS 230G. Classical Mythology. A survey of literary and artistic expressions of ancient Greek and Roman myths, their influence in the development of human culture, and their links with the mythologies of other peoples. This course considers a different topic every year, including "The Hero," "The God," and "Women in Mythology." May be repeated for credit with different topics. Satisfies the appreciation requirement in "Beauty and

Meaning in Works of Art." (Three credits.)

LATN 230. Mythology. Readings in Latin about the myths discussed in Classics 230. (Three credits.)

GREK 230. Mythology. Readings in Greek about the myths discussed in Classics 230. (Three credits.)

CLAS 240G. Ancient Society: Topic. A close examination of a particular aspect of Graeco-Roman society with special attention to the ways in which the lives of ancient Greeks and Romans were different from those in the modern world. Each time it is offered, this course covers a different social topic, including the ancient family, athletics, education, political organization and theory, military life, utopias, etc. May be repeated for credit with different topics. (Listed also as History 240G.) (Three credits.)

LATN 240. Roman Society: Readings. Readings in Latin in the topics covered in Classics 240. (Three credits.)

GREK 240. Greek Society: Readings. Readings in Greek in the topics covered in Classics 240. (Three credits.)

CLAS 241. Ancient Society: Topic. May be repeated for credit with different topics.

CLAS 250. Special Topics. May be repeated for credit. (Three credits.)

LATN 250. Special Topics. May be repeated for credit. (Three credits.)

GREK 250. Special Topics. May be repeated for credit. (Three credits.)

COMMUNICATION AND THEATER ARTS

William J. Wallace, Professor, Chair
James L. De Young, Professor
Lee A. McGaan, Professor
Douglas B. Rankin, Associate Professor
Trudie K. Peterson, Assistant Professor
Charles M. Feldman, Lecturer

■ **Communication and Theater Arts Major.** A major in Communication and Theater Arts consists of 30 semester hours, including Communication and Theater Arts 101, 271, and 491. In addition, majors must take at least three semester hours from each department area (communication, media, and theater). All majors are also expected to accumulate at least three semester hours in Communication and Theater Arts 100/200 level workshops as part of their major program.

■ **Teacher Certification.** Those majors working toward secondary teacher certification should confer as early as possible with the chairs of the Communication and Theater Arts and Education departments to ensure that their program will meet state standards. (Note: Secondary certification in a "primary teaching field" requires a minimum of 32 semester hours.) A second teaching field in a related area of study is recommended.

■ **Communication and Theater Arts Minors.** The following programs are currently available from the department:

1. **General Speech Minor.** At least 15 semester hours, including 171 and 261, with at least six semester hours at the 300 or 400 level.

2. **Public Communications Minor.** At least 15 semester hours, including 491, with at least two 300 or 400 level courses to be chosen from: 231, 339, 233, 331, 235, 335, 490, or 496.

3. **Mass Media Minor.** At least 15 semester hours, including 450, with at least one 300 or 400 level course to be chosen from: 126, 261, 226, 262, 362, 490, or 496.

4. **Theater Arts Minor.** At least 15 semester hours with at least two 300 or 400 level courses to be chosen from: 171, 173, 127, 175, 227, 375, 377, 273, 275, 497, or 490.

101G. Fundamentals of Communications. A practice-oriented introduction to the forms of speech, including interpersonal, small-group, and public communication. Offered each semester. (Three credits.)

124. Communications: Workshops. Staff-supervised participation in communications. Open to all students. May be repeated for credit. CR/NC. (One credit.)

125. Print Media: Workshops. An introduction to the print media, covering the basic elements of journalism. Students will participate as staff reporters on the Oracle, the college's student newspaper. Open to all students. May be repeated for credit. (Also English 126.) CR/NC. (One credit.)

126. Electronic Media: Workshops. Staff-supervised participation in electronic media. Open to all students. May be repeated for credit. CR/NC. (One credit.)

127G. Theater Arts: Workshops. Staff-supervised participation in theater arts. Open to all students. May be repeated for credit. CR/NC. (One credit.)

171G. Introduction to Theater and

Cinema Appreciation. A course designed to give the beginning student a critical platform on which to base his or her own evaluation of plays and films. Selected reading of play scripts, film scenarios, and general criticism is supplemented by planned viewing experiences in both art forms. Offered each year. (Three credits.)

173G. Introduction to Technical Theater. A study of the basic elements of technical theater, including stagecraft, lighting, properties, and makeup. Includes laboratory. Offered each year. (Three credits.)

175G. Beginning Acting. An introduction to the art and history of stage acting combined with practical exercises and performances of short scenes. (Three credits.)

224. Communications: Advanced Workshops. A continuation of Communication and Theater Arts 124 with advanced work and/or a position of responsibility in communications. Primarily for upperclass majors. Prerequisite: Communication and Theater Arts 124 or consent of the instructor. May be repeated for credit. (Two credits.)

225. Print Media: Advanced Workshops. A continuation of Communication and Theater Arts 125 with advanced journalism work and individual study with the instructor. Prerequisite: Communication and Theater Arts 125 or consent of the instructor. May be repeated for credit. (Also English 226.) (Two credits.)

226. Electronic Media: Advanced Workshops. A continuation of Communication and Theater Arts 126 with advanced work and/or a position of

responsibility in electronic media. Primarily for upperclass majors. Prerequisite: Communication and Theater Arts 126 or consent of the instructor. May be repeated for credit. (Two credits.)

227. Theater Arts: Advanced Workshops. A continuation of Communication and Theater Arts 127 with advanced work and/or a position of responsibility in theater arts. Primarily for upperclass majors. Prerequisite: Communication and Theater Arts 127 or consent of the instructor. May be repeated for credit. (Two credits.)

231. Interpersonal Communications. An examination of the verbal and nonverbal features of face-to-face communication in everyday life, social interaction, professional activity, and in our culture as a whole. Attention is given to language as a cultural system and as a meaning system, communication as behavior, relationship development, and communication systems and effects. Emphasis is placed on understanding theory, systematically observing communicative behavior, analysis of communication situations, and skill improvement. Offered in alternate years. Prerequisite: Speech Communication and Theater Arts 101. (Also Philosophy 306.) (Three credits.)

233. Advanced Public Speaking. A performance-oriented course focusing upon the preparation and presentation of public messages. Includes classical and contemporary rhetorical theory, models of successful speakers, various forms of presentation (informative, persuasive, and entertaining), and directions for practice. Offered each year. Prerequisite: Communication and Theater Arts 101 or consent of the instructor. (Three credits.)

235. Small Group Communication. A study of task-oriented, small-group communication emphasizing effective organization, participation, and leadership. Methods of correcting specific problems that may hinder small groups are explored. Includes opportunities to participate in and analyze small-group interaction. Offered alternate years. Prerequisite: Communication and Theater Arts 101. (Three credits.)

261G. Mass Media and Modern Society. An inquiry into the mass media of our time (print, film, radio, television, etc.), including study of the forces which created them and the effects they have on society. Special attention is given to theories of mass communication and the medium of television. Offered each year. (Three credits.)

262. Radio Broadcasting. A survey of the historical development of and operational and management trends within broadcasting combined with practical training in announcing techniques, copywriting, editing, and program planning. Prerequisite: Communication and Theater Arts 261 or consent of the instructor. (Three credits.)

271. The Vocal Instrument. A study of sound transfer, language, and vocal production from psychological and physiological points of view. Individual projects are arranged to assist students with voice development and communication research skills. (Three credits.)

273G. The Classical Theater. A survey of Western theater from ancient Greece to 1800. Emphasizes the evolution of dramatic literature, production elements, theater architecture, and audience composition. Offered in alternate years. (Three credits.)

275G. The Modern Theater. A survey of

Western theater from 1800 to the present. Emphasizes the evolution of dramatic literature, production elements, theater architecture, and audience composition. Offered in alternate years. (Three credits.)

294. Special Topics. Communications. (Three credits.)

295. Special Topics. Print Media. (Three credits.)

296. Special Topics. Electronic Media. (Three credits.)

297. Special Topics. Theater. (Three credits.)

331. Organizational Communication. An analysis of organizational communication theories and methods and study of organizational climate, motivation and leadership, and patterns of miscommunication within organizations. Includes practice in forms of communication used in business. Offered each year. Prerequisite: Communication and Theater Arts 101. (Three credits.)

335. Argumentation. An introduction to how logical arguments are structured and analyzed. Includes development of abilities in composing logically valid messages and avoiding fallacies. Emphasis is placed on what makes arguments strong and effective. Portions of the course will be devoted to how arguments are used in various fields (e.g., law, journalism, science, history, or politics). Frequent in-class, written and oral practice will occur. Offered alternate years. Prerequisite: Communication and Theater Arts 101. (Three credits.)

337. Communication Criticism. A study of various critical perspectives and methods as

applied to a variety of different communication texts, including public speeches, plays, films, and television news broadcasts. Emphasis is placed on enhancing critical thinking skills as well as on writing and articulating persuasive arguments. Offered in alternate years. Prerequisite: Communication and Theater Arts 101. (Three credits.)

339. Persuasion. A study of the classic concepts of persuasion in relation to modern theories of how people effect changes in others' beliefs, attitudes, and behavior. Includes opportunities to prepare and present persuasive efforts. Offered in alternate years. Prerequisite: Communication and Theater Arts 101. (Three credits.)

362. Television Production. An introduction to the fundamentals of television, including the handling of cameras and switching equipment, scriptwriting, graphics, and production techniques. Laboratory exercises focus on preparing actual programs. Prerequisites: Junior standing and Communication and Theater Arts 173, 262, 375, or 377. (Four credits.)

375. Scenery and Lighting Design. A study of the basic elements of scenery and lighting design. Combines readings in design theory with practice in drafting, plotting, rendering, and model building. Offered in alternate years. Prerequisite: Communication and Theater Arts 111. (Three credits.)

377. Principles of Stage Directing. A study of the practical and theoretical elements of directing for the serious student of performance. Readings in theory are combined with exercises in analysis, pictorial composition, movement, and production organization. Offered in alternate years.

Prerequisites: Junior standing and Communication and Theater Arts 171, 173, 175, or 375. (Three credits.)

394. Seminar: Communication. A seminar centered on a problem or topic as announced before each offering. Designed for juniors and seniors. Prerequisite: Consent of the instructor. May be repeated for credit. (Three credits.)

395. Seminar: Print Media. A seminar centered on a problem or topic as announced before each offering. Designed for juniors and seniors. Prerequisite: Consent of the instructor. May be repeated for credit. (Three credits.)

396. Seminar: Electronic Media. A seminar centered on a problem or topic as announced before each offering. Designed for juniors and seniors. Prerequisite: Consent of the instructor. May be repeated for credit. (Three credits.)

397. Seminar: Theater. A seminar centered on a problem or topic as announced before each offering. Designed for juniors and seniors. Prerequisite: Consent of the instructor. May be repeated for credit. (Three credits.)

431. Methods of Teaching Communication and Theater Arts. A detailed study of the special problems that face the secondary-school teacher of Communication. Includes special attention to the development of criticism of oral assignments and the operation and organization of cocurricular activities in speech and theater. Offered as needed. Co-prerequisite: Education 340. (Three credits.)

490. Independent Study. A faculty-directed

program of individual study consisting of reading, research, or creative performance. May be repeated for credit. (One to six credits.)

491. Seminar: Freedom of Expression and Communication Ethics. A study of the foundations of freedom of expression and communication ethics in our society. Major historical documents pertaining to the freedom of communication and the moral and ethical base of communication will be reviewed. The continuing tension between artistic freedom and censorship will also be examined. Historical materials will be applied to current points of contention in the arts, business, media, and politics. Culminating experience required of all majors. Offered each year. Prerequisite: Senior Communication and theater arts major or minor, or consent of the instructor. (Three credits.)

494. Internship in Communications. An experience designed to allow the student to use in the field concepts and ideas developed during major study and to help prepare the student for employment. Prerequisites: Junior standing and prior approval of the department. May be repeated for credit.

(Three to nine credits.)

495. Internship in Print Media. An experience designed to allow the student to use in the field concepts and ideas developed during major study and to help prepare the student for employment. Prerequisites: Junior standing and prior approval of the department. May be repeated for credit. (Three to nine credits.)

496. Internship in Electronic Media. An experience designed to allow the student to use in the field concepts and ideas developed during major study and to help prepare the student for employment. Prerequisites: Junior standing and prior approval of the department. May be repeated for credit. (Three to nine credits.)

497. Internship in Theater Arts. An experience designed to allow the student to use in the field concepts and ideas developed during major study and to help prepare the student for employment. Prerequisites: Junior standing and prior approval of the department. May be repeated for credit. (Three to nine credits.)

EDUCATION

Frank W. Sorensen, Professor, Chair
George F. Arnold, Professor
Dorothy DiVall Douglas, Associate Professor
Kenneth Grodjek, Assistant Professor
F. Marie Baker, Instructor
Linda Ellison, Lecturer
Joseph Kersting, Lecturer
Marc Sgro, Lecturer

Most students who enroll in education department courses pursue a teacher certification program leading to an Illinois Standard Elementary Certificate, the Illinois Standard High School Certificate, or the Illinois Standard Special Certificate. The requirements for each of these programs are detailed below. All programs are approved by the Illinois State Teacher Certification Board and were last reviewed in 1994.

Students completing a program approved by the State of Illinois qualify, in most instances, for certificates of other states. Advisors in the education department are prepared to discuss the requirements of other states and the steps necessary to apply for certification.

Candidates for an Illinois teaching certificate must also pass the appropriate state-administered competency tests in order to obtain a certificate.

■Elementary Education*. Students seeking to qualify for the Illinois Standard Elementary Certificate, valid for teaching kindergarten through grade nine, must:

1. Complete the departmental major in elementary education which includes Education 200, 201, 203, 330, 332, 333, 334, 336, 450, 451, and 452.
2. Complete an approved area of academic concentration consisting of at least 18

semester hours (of which nine semester hours must be at the 300 or 400 level) in an appropriate discipline. These hours are in addition to state minimal general education requirements for certification.

3. Complete the College's general education program.

4. Complete History 313 or Philosophy 211, Mathematics 110, and another acceptable mathematics course and Physical Education 180 or 220 or 325.

In the process of completing the work outlined above, candidates should make sure that the following overall certification requirements are also met: three lab courses in the natural sciences, including at least one biological (Psychology 101 does not apply toward certification) and one physical science; one speech course; one English language course (e.g. literature, grammar, history, etymology, or creative writing); two writing courses; and three courses in the social sciences. The latter must include History 110, 111 or 112 and Government 103.

■Secondary Education*. The student who wishes to qualify for the Illinois Standard High School Certificate, valid for teaching grades six through 12, must:

1. Complete a departmental major from among State-approved programs listed below that includes at least 32 semester hours. The courses selected should relate to areas currently taught in the high school curriculum. The courses required for each specific teaching field are prescribed in the individual catalog description for each department noted below. Approved programs for the Illinois Standard High School Certificate are:

Art	Music (Vocal)
Biology	Physical Education
Chemistry	Physics

English	Psychology
Government	Sociology
History	Spanish
Latin	Speech
Mathematics	

2. Complete the Monmouth College general education program and the following additional general certification requirements, including History 110, 111, or 112 and Government 103, an English language course, a mathematics course, a third science course of at least one semester hour, and Physical Education 180 or 220 or 325.

3. Complete the professional education sequence. The requirements for secondary-level teacher candidates include Education 200, 201, 203, 340, 450, 451, and 452; History 313 or Philosophy 211; and a special-methods course related to the student's major teaching field.

**Note: Middle School Endorsement. The State of Illinois requires that in order to teach grades 5-8, holders of an elementary or secondary certificate must include two additional education courses in their programs and have teaching content fields appropriate to middle schools. Education 338 and 339 are required, and teaching fields should be discussed with an education department adviser.*

■ **Special Certificate Programs.** The special teaching certificate is the credential obtained by those who wish to be certified at both the elementary and secondary levels (kindergarten through grade 12) in a specialized field. Monmouth offers such programs in art, music, physical education, learning disabilities, and bilingual education. To qualify for these certificates the student must:

1. Complete a departmental major that includes at least 32 semester hours in the chosen field, including subjects related to current public-school programs. The learning disabilities major and bilingual education program are exceptions to this; the

differences are described in the discussions of these programs below.

2. Complete the Monmouth College general education program and the following additional general certification requirements which must include History 110, 111, or 112, Government 103, an English language course, a mathematics course, a third science course of at least one semester hour, and Physical Education 180 or 220 or 325.

3. Complete the professional education sequence. The professional education requirements for the special certificate include Education 200, 201, 203, 340, 450 (460 for learning disabilities majors), 451 and 452, and either History 313 or Philosophy 211. Special methods courses related to both elementary and secondary teaching are also required. For art, these courses are Education 334 and Art 341; for music, Music 312 and 313 and for Physical Education, Physical Education 311 and 320. Physical Education majors may substitute Physical Education 320 for Education 340, but are strongly encouraged to take Education 340 if preparing to teach in a second field.

■ **Learning Disabilities.** Monmouth offers a major and teacher preparation program in learning disabilities. The major, which is topical in design, includes Education 203, 304, 306, 307, 308, and 460; Psychology 231; Psychology 318; and three courses chosen from among Sociology 102 and 347 and Psychology 335 and 340, or an approved independent study.

The program outlined above is normally taken in conjunction with the elementary education program. The student who completes this work is eligible for certification in both elementary education (K-9) and learning disabilities (K-12).

■ **Bilingual Education (Spanish).**

Monmouth offers, in conjunction with the Urban Education Program of the Associated Colleges of the Midwest, a program that leads to bilingual teacher certification. This certificate is required of teachers who work with Spanish-speaking students making the transition to the English-language curriculum of the public schools. The program includes both course work and field experiences on campus and in Chicago, including some summer work in Chicago.

The specific courses required of the teacher candidate vary depending upon the student's language proficiency, major teaching field, and the certificate sought. Essentially, the candidate must qualify for one of the standard teaching certificates described above, demonstrate oral and written competence in Spanish, and meet specific requirements regarding cognate language courses and teaching-methods courses. Since the program varies with the student's teaching interests and language facility, the candidate must consult an advisor in the education department as early as possible to plan his or her program.

200. The Teacher and the School. An introduction to professional education and teaching. Reading, discussion, and field experience as a teacher aide in a local school provide a basis for further decisions about teaching and preparation for certification. (Three credits.)

201. Educational Psychology. An investigation of the contributions of behavioristic, developmental, and humanistic psychology to education. Emphasizes learning theory, behavior management, group dynamics, and interpersonal relationships in education. A field experience is required. Prerequisite: Education 200 or consent of the instructor. (Three credits.)

203. Characteristics of Exceptional Children. A survey of the characteristics and special educational needs of handicapped and gifted children. Significant individual differences are introduced and discussed as they apply to each area examined. The problems of identifying, educating, and treating exceptional children are considered. Prerequisite: Education 201 or consent of the instructor. (Three credits.)

250. Special Topics. (One to three credits.)

304. Measurement and Evaluation of Exceptional Children. An introduction to educational measurement and an investigation of the diagnostic instruments used to identify and analyze the psychological and learning problems of exceptional children. Methods of evaluating general intelligence, developmental skills (visual, auditory, perceptual-motor, and academic achievement), and social-emotional adjustment are studied. A series of case studies and field experience are required of each student. Prerequisite: Education 203 or consent of the instructor. (Three credits.)

305. Individual or Group Study. Individual or small-group study of special topics in education under the guidance of an instructor. Prerequisite: Approval of the department chair. (One to three credits.)

306. Needs and Problems of Children with Learning Disabilities. The field of specific learning disabilities and the characteristics of learning-disabled children are studied. A multidisciplinary team approach to diagnosing learning-disabled children and planning programs for them is emphasized. Prerequisite: Education 203 or consent of the instructor. (Three credits.)

307. Curriculum for Children with Learning Disabilities. A study of major learning theories and research findings as they apply to curriculum planning for the student with learning disabilities. The strategies of various educators and clinicians are reviewed, and special-education delivery systems for the learning disabled are examined. A related field experience is also required. Prerequisite: Education 306 or consent of the instructor. (Three credits.)

308. Methods and Materials for Teaching Children with Learning Disabilities. A study of specific diagnostic techniques that are used to analyze the learning disabilities of children. Prescriptive instructional approaches that meet the needs of learning-disabled students are examined. Prerequisite: Education 306 or consent of the instructor. (Three credits.)

330. Elementary School Curriculum and Methods. An extensive investigation of the elementary curriculum, methods of instruction, and resources and procedures for evaluation. The development of a foundation for a successful student-teaching experience is a primary objective. Teacher-observation assignments, including experiences in various areas of the curriculum, are required. Prerequisite: Education 201 or consent of the instructor. (Three credits.)

332. Teaching of Reading and Other Language Arts. A study of the theories, practices, and techniques of teaching reading and other language arts. A teacher-aide assignment in reading is arranged. Prerequisite: Education 201 or consent of the instructor. (Three credits.)

333. Remedial Reading. A study of the educational factors that cause reading problems for children. Students work in local schools as tutors and use reading tests, reading inventories, and various reading techniques to teach the disabled reader. Prerequisites: Education 201 and 332. (Three credits.)

334. Teaching of Art in the Elementary School. A study of the objectives, content, and methods of teaching elementary-school art. Prerequisite: Education 201 or consent of the instructor. (Also Art 334.) (Three Credits.)

336. Teaching of Literature in the Elementary School. A study of the objectives, content, and methods of teaching literature in the elementary school. Laboratory experience in storytelling is required. Prerequisite: Education 201 or consent of the instructor. (Three credits.)

338. Educational Psychology Related to Early Adolescence. A study of the developmental characteristics typical of young adolescents. The psycho-social nature and needs of this age group are studied, and the educational implications of student development are emphasized. In addition, the advisory role of the middle-grade teacher in assessing, coordinating and referring of students to health and social services is examined. (Three credits.)

339. Middle School Curriculum and Instruction. This course includes examination of varied curricular designs and instructional strategies which are applicable to the contemporary middle school. Among the topics covered are a historical perspective regarding the evolution of this educational movement; a critical review of philosophical

issues surrounding the concept and familiarization with research associated with middle school instruction. Investigation of a wide array of instructional planning approaches and specific instructional methods, including reading in the content areas, and program evaluation techniques are included. (Three credits.)

340. Secondary School Curriculum and Methods. An investigation of the curriculum of secondary schools, program planning, methods of instruction, and resources and procedures for evaluation. Teacher-aide and micro-teaching experiences are arranged. Developing a foundation for a successful student-teaching experience is a primary objective. Prerequisite: Education 201 or consent of the instructor. (Majors in physical education should substitute Physical Education 320 for Education 340, but are encouraged to take the latter if they are preparing to teach in a second field.) (Three credits.)

341. Secondary Methods and Curriculum in Social Studies. A study of the concerns of social-studies educators, including the role of values in the classroom. Students explore special strategies and curriculum materials germane to teaching social studies in secondary schools. Teacher-aide and teaching experiences are arranged. Prerequisite: Education 340 or consent of the instructor. (Three credits.)

342. Secondary School Science Curriculum and Methods. A study of the curriculum, teaching methods, and instructional materials pertinent to secondary school science programs. Applying theory and research from science education to the planning and implementing of instruction is stressed. Opportunities to observe science

programs are provided. Independent projects related to the student's major are required. Prerequisite: Education 340 or consent of the instructor. (Three credits.)

350. Special Seminar. Selected occasional seminars or workshops directed toward specialized topics of interest. CR/NC. (One to three credits.)

400. Independent Study. An independent investigation of a special problem relevant to teaching and teacher preparation. Prerequisite: Approval of the department chair. (One to three credits.)

405. Urban Education Seminar. A study of the objectives, organization, programs, and problems of schools in large urban centers. Offered as part of the Urban Education Program of the Associated Colleges of the Midwest. (One to three credits.)

450. Student Teaching. Supervised teaching in grades or subjects appropriate to the certificate sought. Each student works in a school under the supervision of one or more cooperating teachers, a supervisor from the education department, and in the case of high school and special-certificate candidates, a supervisor from the candidate's major field. Periodic conferences are arranged to assess the development of the student-teaching experience. Students may elect to complete student teaching through the Chicago-based Urban Education program of the Associated Colleges of the Midwest. Prerequisite: Approval by the Curriculum Committee. (Eight to 12 credits.)

451. Student Teaching Workshop and Seminar. This course is taken in conjunction with student teaching by all teacher candidates. The course includes a series of

weekly seminars during student teaching.
CR/NC. (Two credits.)

452. Analysis of Student Teaching. This course is taken concurrent with student teaching. The experience requires student teachers to develop an ongoing systematic personal evaluation during their student teaching experience. Daily observations will be recorded, and a final formal summary and conclusions report prepared, at the conclusion of the student teaching assignment. (One credit.)

460. Learning Disabilities Student Teaching. A clinical experience providing an in-depth study and classroom instruction of children with learning disabilities. Includes opportunities for diagnosis, educational planning, implementing remedial procedures, and parent counseling. Periodic conferences are arranged to assess the development of the student-teaching experience. Prerequisites: Education 308 and approval by the Curriculum Committee. (Eight to 12 credits.)

SPECIAL METHODS AND RELATED COURSES OFFERED BY OTHER DEPARTMENTS:

Art 341. Secondary Art Education Methods.
Computer Science 324. Computer Methods for Secondary Teaching.
English 430. Methods of Teaching English.
Communication and Theater Arts 431. Methods of Teaching Communication and Theater Arts.
History 313. History of American Education.
Latin 435. Methods of Teaching Latin.
Mathematics 110. Mathematics for Elementary Teachers.
Mathematics 324. Mathematics Methods for Secondary Teachers.
Modern Foreign Languages 460. Methods of Teaching Modern Foreign Languages.
Music 312. Teaching Music in the Elementary School.
Music 313. Music Education I.
Philosophy 211. Philosophy of Education.
Physical Education 311. Elementary-School Physical Education.
Physical Education 320. Curriculum and Methods of High School Physical Education.

ENGLISH

Craig Watson, Professor, Chair
Mary Barnes Bruce, Professor
Gary D. Willhardt, Professor
Jan Stirn, Assistant Professor
Brigit J. Sparling, Faculty Associate
Sarojini Ambrose, Lecturer
Colleen Hazen, Lecturer

■ **English Major.** The English major requires at least 10 courses: English 220; 221; 224; 225; 361 or 362; 400; plus four additional courses which might substantially follow one of these three tracks or reflect a combination of them:

- Literature: English 240; 260; 343; 347; 348; 349; plus 250 and 350 as offered.
- Teaching: English 201; 314;
- Writing: English 210; 301; 310.

In addition, all English majors are required to take a one-hour research methods course (English 233) in conjunction with enrollment in one of the four required surveys.

The English senior seminar (English 400) is the culminating experience for majors, whose candidacy for departmental honors is based upon their GPA in the major and their performance in the seminar.

■ **English Minor.** A minor in English consists of six courses: English 220 or 221; 224 or 225; 361 or 362; three other courses, of which at least two must be at the 300 level. Students whose major is elementary education and who wish to minor in English should take: English 201; 220 or 221; 224 or 225; 210 or 361 or 362; 301; and 314.

■ **Teacher Certification.** Those students seeking secondary certification are required to complete the course work for a major in English and must include English 201 and

314. English 110 may be counted toward the 32-semester-hour certification requirement in the field. The additional requirements for certification are cited in the Education Department section and must include English 430. A second teaching area in speech is also recommended.

110G. Composition and Literature. A study of basic rhetorical strategies and their application in thesis-focused essays, as well as an analysis of literature emphasizing the symbolic and expressive uses of language. Students are introduced to the imaginative modes of literature and demonstrate their understanding of those uses through discussion and written work. (Four credits.)

126. Print Media: Workshops. An introduction to the print media, covering the basic elements of journalism. Students will participate as staff reporters on the Oracle, the college's student newspaper. Open to all students. May be repeated for credit. (Also Communication and Theatre Arts 125.) CR/NC. (One credit.)

201. Grammar. A course that gives students practice in fundamental English grammar. Emphasizes basic skills, not theory. (Three credits.)

210G. Creative Writing. Practice in the writing and critical analysis of imaginative literary forms, especially poetry and fiction. Prerequisite: English 110. (Three credits.)

220. British Survey I. A historical survey emphasizing literary and cultural developments in English literature from the Old English period through the English Renaissance. Prerequisite: English 110. (Three credits.)

221. British Survey II. A course emphasizing major literary movements, cultural influences, and historical developments in English literature from the Neo-classical through Victorian periods. Prerequisite: English 110. (Three credits.)

224. American Survey I. One of two introductory surveys in American literature emphasizing literary movements, and cultural and historical developments in the literature of the United States. Readings will include: native American creation myths; explorer narratives; poetry, fiction, and non-fiction from such writers as Bradstreet, Cotton Mather, Edwards, Franklin, Cooper, Emerson, Thoreau, Hawthorne, Poe, Melville, Whitman, and Dickinson. Prerequisite: English 110. (Three credits.)

225. American Survey II. An introductory survey focusing on poetry and fiction written after the Civil War and before American involvement in the Second World War. Included are works from such writers as Jewett, Wharton, Twain, James, Kate Chopin, Crane, Pound, Robinson, Frost, Anderson, Stevens, Eliot, Fitzgerald, Hemingway, and Faulkner. Emphasis on literary, cultural, and historical movements. The course is a continuation of English 224, but may be taken alone and without regard to sequence. Prerequisite: English 110. (Three credits.)

226. Print Media: Advanced Workshops. A continuation of English 126 with advanced journalism work and individual study with the instructor. Prerequisite: English 126 or consent of the instructor. May be repeated for credit. (Also Communication and Theatre Arts 225.) (Two credits.)

233. Introduction to Research. Required

of all English majors. Students elect this one-credit research methods course only once, in conjunction with enrollment in one of the four required surveys in English and American literature (English 220, 221, 224, 225). English 233 involves a library research tour pertinent to English studies, written exercises, and a research assignment whose subject is drawn from the survey course's syllabus. Students who elect English 233 must enroll with the survey course instructor by the end of the second week of classes. (One credit.)

240G. Russian Literature of the 19th Century. An introductory survey of 19th-century Russian literature in translation. Emphasis is on outstanding works of the period in their cultural and historical contexts. Includes works by such writers as Pushkin, Lermontov, Gogol, Turgenev, Dostoevsky, Tolstoy, and Chekhov. Prerequisite: English 110. (Three credits.)

250. Special Topics. May be repeated for credit. (Three credits.)

260. The Literature of Feminism. A study of the evolution of feminist thought and its collective definition as it has been imaginatively translated from experience into art by several generations of literary women. Prerequisite: English 110. (Three credits.)

301. Advanced Composition. A study of rhetorical strategies and their application to assignments in journalism, scientific writing, and essay writing. Open to juniors and seniors or by consent of the instructor. May be repeated for credit. (Three credits.)

310. Advanced Creative Writing. Students write intensively in fiction or poetry, individually selecting their subject matter

throughout the course. Students sharpen their critical skills by evaluating one another's work and by investigating contemporary writing and publishing. Prerequisite: English 210 or consent of the instructor. (Three credits.)

314. History of the English Language. A study of the development of the English language with some attention to its internal history—sounds and inflection—as well as to its external history—political, social, and intellectual movements and forces that have affected the development of the language. (Three credits.)

343. 20th-Century British Literature. Studies in various British authors of the 20th century. Recent course offerings have included “Yeats and Eliot” and “The Irish Renaissance.” May be repeated for credit with different topics. Prerequisite: English 110. (Three credits.)

347. Genre Studies in American Literature. An upper-division course in American poetry, fiction, or drama. Emphasis is on study of characteristics shared by a distinct type and on examination of individual illustrations of type. Recent course offerings have included “Modern American Poetry,” “The Contemporary American Novel,” “Modern American Drama,” and “African American Autobiography and Fiction”; henceforth, “Introduction to Literary Theory” will be offered periodically. May be repeated for credit with different topics. Prerequisite: English 110. (Three credits.)

348. English Novel. An upper-division course that will focus on some aspect of the history of the English novel (18th, 19th, 20th century), some type of novel (e.g., the comic

novel), some group of writers (e.g., women writers, Murdoch and Powell), or a single author (e.g., Dickens). Recent course offerings have included: “The Comic Novel” and “Woolf, Murdoch and Drabble.” May be repeated for credit with different topics. Prerequisite: English 110. (Three credits.)

349. Topics in American Literature. An upper-division course concentrating on a particular period, movement, or author in American literature. Recent course offerings have included: “Hawthorne and Melville,” “The Gilded Age,” and “American Literature between the World Wars.” May be repeated for credit with different topics. Prerequisite: English 110. (Three credits.)

350. Special Topics in Literature and Related Areas. A course permitting the investigation of narrowly defined literary issues, types, modes, and extra literary influences. Prerequisite: English 110. Recent offerings have included: “Gothic Literature” and “18th-Century Literature and the Arts.” May be repeated for credit. (Three credits.)

361. Shakespeare I: Comedies and History Plays. Studies in the comedies and the history plays. Prerequisite: English 110. (Three credits.)

362. Shakespeare II: Tragedies and Romances. Studies in the tragedies and romances. Prerequisite: English 110. (Three credits.)

400. Senior Seminar. An intensive study of key literary periods and subjects. Recent seminars have focused upon: “Literature of the American South,” “New England Women Writers of the Late 19th Century,” “The Gothic Tradition,” “The American Expatriate Experience in Literature” and

“Arthurian Literature.” Required of all senior English majors. Offered second semester. (Three credits.)

420. Independent Study. Students arrange independent study projects with individual instructors. May be repeated for credit. (Three credits.)

430. Methods of Teaching English. A

study of the basic approaches to the teaching of poetry, fiction, and drama and their application in the classroom. Attention is given to the teaching of composition, the marking of themes, and the preparing and grading of examinations. May not be counted toward a major in English. Co-prerequisite: Education 340. Offered as needed. (Three credits.)

ENVIRONMENTAL SCIENCE

Kenneth L. Cramer, Associate Professor,
Coordinator

ENVIRONMENTAL SCIENCE MAJOR

■ Requirements:

Following is a complete list of the courses a student in the major would be taking. Courses in **bold type** are the requirements. Courses not in bold type are prerequisites.

- BIOL 111 General Zoology (Four credits.)
- BIOL 112 General Botany (Four credits.)
- BIOL 307 Ecology (Four credits.)**
- BIOL 350 or CHEM 350 or PHYS 350**
Science Seminar (to be taken twice for a total of two credits.)
- CHEM 130 Organic Chemistry I (Four credits.)
- CHEM 140 General Chemistry (Four credits.)
- CHEM 220 Analytical Chemistry (Four credits.)**
- ECON 200 Principles of Economics (Four credits.)
- ECON 380 Environmental Economics (Three credits.)
- ENVI 103 Introduction to Environmental Science (Three credits.)
- ENVI 218 Applied Hydrogeology (Four credits.)**
- GOVT 101 or GOVT 103 or GOVT 200**
Any one of these three Introductory courses. (Three credits)
- GOVT 375 Environmental Politics (Three credits.)**
- MATH 106 Elementary Statistics**

(Three credits.)

- MATH 141 Elementary Functions (Four credits. Not necessary if student has had high school calculus or pre-calculus)
- MATH 151 Calculus I (Four credits.)**
- CATA 306 Argumentation (Three credits.)**
- SOCI 343 Population (Three credits.)**
- SENIOR RESEARCH from an approved department of choice (Three to four credits.)**

■ Electives:

Students with an interest in policy/advocacy are encouraged to consider the following electives. However, none of these is required.

- ECON 310 Regulation and Legislation
- ECON 340 Economics and Law
- ECON 370 Public Finance
- FREN 252 Culture, Folklore, and Historical Background of the French-speaking World
- GOVT 311 Parties and Interest Groups
- RELG 206 Religious Perspectives on Moral Issues
- CATA 205 Persuasion
- CATA 208 Advanced Public Speaking
- CATA 302 Small Group Communication
- SOCI 102 Social Problems
- SOCI 327 Sociology of Medicine
- SOCI 341 Urban Sociology
- SPAN 252 Culture, Folklore, and Historical Background of the Spanish-speaking World
- PHIL 310 Environmental Ethics

Students with an interest in science are encouraged to consider the following electives. However, none of these is

required.

BIOL 315	Field Zoology
BIOL 201	Field Botany
CHEM 230	Organic Chemistry II
MATH 152	Calculus II
PHYS 103	Astronomy
PHYS 130	Introductory Physics I
PHYS 132	Introductory Physics II
PSYC 201	Research Methods I

ENVIRONMENTAL POLICY MINOR

Students must complete the FOUR courses listed below in group A plus any TWO of the courses listed below in group B. ECON 200 is a prerequisite for the other ECON courses listed. **Environmental Science majors may not minor in policy.** The minor is designed to complement students majoring in other fields such as business, government, etc.

Group A

ECON 200	Principles of Economics (Four credits.)
ECON 380	Environmental Economics (Three credits.)
GOVT 375	Environmental Politics (Three credits.) Prerequisite: one of the following: GOVT 100/103/200.
SOCI 343	Population (Three credits.)

Group B

ECON 310	Regulation and Legislation (Three credits.)
ECON 340	Economics and Law (Three credits.)
ECON 370	Public Finance (Three credits.)
ENVI 218	Applied Hydrogeology (Four credits.)
GOVT 311	Parties and Interest Groups (Three credits.)

ENVI 103. Introduction to Environmental Science. The course is an introduction to the scope, magnitude, and diversity of environmental issues approached by scientists and policy-makers. An interdisciplinary approach to solving environmental problems is emphasized by providing a scientific, social, and political understanding of the issues. Laboratory sessions include field trips to study human impacts on our environment and group projects and discussion aimed at critical analysis of current environmental topics. (Three credits)

ENVI 218. Applied Hydrogeology. An applied approach to the analysis of the hydrologic cycle with an emphasis on the physical properties, transport, use and contamination of surface water and groundwater. Includes laboratory and field experiences. Prerequisite: Math 141, or consent of instructor. (Four credits.)

GENERAL INFORMATION

1. Emphasis of the Program

The aim of the Environmental Science major is to give students a solid foundation in the natural sciences (including mathematics) and social sciences that pertain to environmental issues and problems. The program is interdisciplinary, requiring students to take courses in at least eight different departments. Several of the courses (Hydrogeology, Environmental Economics, Environmental Politics) were designed specifically for the program. Other course work includes classes such as Ecology, Calculus, Statistics, Analytical Chemistry, Population, and Argumentation. Additionally, all participants in the program

are required to complete an independent research project.

Although not all students choosing to major in Environmental Science are necessarily interested in pursuing scientific careers, all should have a firm foundation in the sciences that pertain to environmental concerns. They can thus be more effective lawyers, politicians, advocates, etc. (if those are careers they aspire to) than if they lacked training in the sciences. And they will be able to talk with biologists, chemists, and geologists more intelligently than those who do not have a firm grounding in these areas. On the other hand, students interested in science-oriented careers in the environment need the perspective and context provided by the social science courses in the major. The social implications of environmental issues cannot be ignored, and the solutions to environmental problems are increasingly economically and politically charged.

2. Equipment/Facilities

Because the program is interdisciplinary, it makes use of classrooms, labs, etc. throughout the campus. However, two laboratories in the Haldeman-Thiessen Science Center have been designated specifically as Environmental Science rooms; one of the labs is reserved for seniors in the program doing independent research. Additionally, a small office in the Science Center is being converted into a reading/study room for Environmental Science majors, and these students will be given keys to the room.

The sciences at Monmouth have a tradition of intensive hands-on laboratory work, and the college is quite well equipped to support the natural science component of the major.

The college maintains an **Ecological**

Field Station on the banks of the Mississippi River, about 30 minutes from campus. Two boats, both with 20-hp motors, are stored at the station for use in aquatic work on the Mississippi or on local lakes. The location of the station gives us easy access to the river and to a variety of terrestrial environments (e.g., deciduous forest, conifer plantations, agricultural). A variety of field sampling and collecting gear is stored at the station, including live-capture traps for birds and mammals and new instrumentation for water analysis.

Newly acquired property within a 15-minute walk of campus is also used as a **Biological Field Station** for field studies, course projects, and senior research. Several acres are being restored to native prairie and a large stream bisects the area. Riparian and flood plain forest also offer abundant opportunities for research in the expanding field of ecological restoration.

The college also maintains a small, fresh-water pond and a native prairie plot for field projects. More information on these areas can be found under the BIOLOGY department heading in this catalog.

3. Career Opportunities

The Environmental Science major is intended to give students a broad yet firm foundation that can be used as a springboard into graduate/professional school or employment. The environmental field is extremely broad, ranging from environmental chemistry to wildlife management to environmental engineering to environmental law. The major is solid but it cannot prepare all students equally well for all careers. For example, if a student is interested in environmental geology, the program will not serve him/her that well because there will be no geology courses (other than

hydrogeology) to back it up. On the other hand, the program would prepare a student well for further study or work in other areas (for example, environmental chemistry). Therefore, we think it is important for students as soon as possible to attempt to define their interests in the environment. What is it they hope to do? environmental monitoring? toxicology? engineering? natural resource management? advocacy? law? politics? Do they hope to go directly into employment? or into graduate/professional school? Depending on the students' specific interests, they can appropriately plan their elective course work and plan to do research and/or internships along the lines of their interests.

4. Off-campus Programs and Field Trips

ACM Wilderness Field Station program—a summer academic program conducted on the Boundary Waters of northern Minnesota and southern Ontario. Students register for a single course (e.g.,

Ornithology, Mammalogy, Vertebrate Behavior, Conservation Biology, Aquatic Biology, Environmental Ethics) and do extensive field and laboratory work while immersed in a wilderness setting. Nearly all courses involve a 7-10 day canoe trip deep into the Quetico-Superior wilderness of Minnesota and Ontario.

ACM Tropical Field Research program—a semester-long program in Costa Rica. A month-long orientation prepares students through intensive language training and review of field methodology. Thereafter, students can conduct research in a diversity of Costa Rica's ecological zones.

Numerous work/research internships involving environmental problems are available on a competitive basis.

Field-oriented courses at Monmouth College (e.g., Ecology, Field Botany) make frequent use of the Ecological Field Station and other local settings. There are also occasional weekend trips to such places as Indiana Dunes National Lakeshore and Horicon National Wildlife Refuge.

GOVERNMENT

Farhat Haq, Associate Professor, Chair
Ira Smolensky, Professor

■ **Government Major.** A major in government consists of at least 30 semester hours, including the following courses: Government 103, 200, and 270; 202, and 397, 411 or 412; and 415.

■ **Government Minor.** A government minor consists of 15 semester hours, at least nine of which must be taken on the Monmouth College campus and at least three of which must be taken above the 200 level.

■ **Teacher Certification.** Majors who seek secondary teaching certification are expected to complete at least 33 semester hours, including Government 103; 200 or 270; 311 or 395; 411 or 412; and 415. They are also required to obtain teaching competence in a second field by adding prescribed work in other social services. Additional certification requirements are described in the Education Department section of the catalog.

100. Visions of Justice. Examines different philosophical, literary, and technological visions of a just society from Plato's Republic to the present. Includes discussion of freedom, equality, revolution, and "the good life." (Three credits.)

101. Introduction to Politics. This course examines the means through which public values are articulated and debated, the manner in which diverse political actors (individual, groups, regional and local government and nations) operate in the political arena and the process whereby public policy decisions are made and actions

on public problems are taken. (Three credits.)

103G. American Politics. A study of the constitutional foundations, political processes, and institutions of American government on the national, state, and local level. Also focuses on current and perennial issues in domestic and foreign policy. (Three credits.)

200. Introduction to Comparative Politics. Examines diverse forms of national politics, including industrialized democracies, communist regimes, and developing nations. Also examines the basic conceptual and methodological tools of comparative political inquiry. (Three credits.)

202G. Modern Japan. A study of the social, economic, and political development of modern Japan, emphasizing Japanese responses to problems posed by contacts with the West. (Also History 202.) (Three credits.)

245G. The Politics of Developing Nations. A study of selected developing nations and the problems posed by rapid political and economic development. Topics include leadership strategies, the impact of modernization on traditional cultures, and the role of political ideology. (Three credits.)

250. Special Topics. (Two to four credits.)

270G. Global Affairs. A study of global and regional relationships, including state and non-state actors. Explores the influence of nationalism, economic rivalry, power politics, and international organizations on global behavior. Also explores the nature and causes of war. (Three credits.)

311. Parties and Interest Groups. A study of

American parties, interest groups, and elections as well as the problems faced by candidates for public office. Students are expected to participate in current political campaigns. Offered in election years. (Three credits.)

375. Environmental Politics. An analysis of environmental politics and policy on the national and international levels. Features an emphasis on case studies. (Three credits.)

395. Constitutional Issues. A study of current constitutional issues in light of constitutional history, philosophical principles, and our ever changing socio-political context. (Three credits.)

397. States and Markets. Through an integration of perspectives and most recent research from the four main areas of political science—comparative politics, international relations, American politics and political philosophy—this course will examine the shifting relationship between political authority and the economy. Open to juniors and seniors. (Three credits.)

411. Political Philosophy from Plato to the Present. A historical survey and

philosophical analysis of political theory from ancient Greece to the present. Includes works by Plato, Aristotle, Machiavelli, Hobbes, Locke, Rousseau, Marx, and Mill. (Also Philosophy 411, Issues and Ideas 435.) (Three credits.)

414. American Political Thought.

Examines ideas, themes, and debates which are at the center of American political discourse as it has evolved since colonial times. Students will be asked to apply the course material to contemporary politics or society. (Three credits.)

415. Senior Seminar. Concentrated study of an issue in political science. Students deal in depth with substantive and methodological problems associated with the subject area. Prerequisite: Government 397. Open to juniors and seniors. (Three credits.)

420. Independent Study or Internship.

Includes selected readings, written reports, conferences, or work with government officials as arranged with the instructor. Prerequisite: Junior standing. (One to four credits.)

HISTORY

William L. Urban, Professor, Chair
George F. Arnold, Professor, Dean of
Faculty
Stacy A. Cordery, Associate Professor;
Curator, College Archives
David J. Suda, Associate Professor
Thomas Best, Lecturer
Simon Cordery, Lecturer

History Major. A major in history requires the completion of Western Civilization I and II (History 101, 102), one course each in the areas of United States and non-Western History, and History 300, which is the culminating experience of the major program. Five additional courses complete the major in history. Majors who wish to be candidates to graduate with departmental honors must take History 420. History majors are encouraged to participate in an off-campus program.

History Minor. A minor in history consists of five courses, including Western Civilization I and II (History 101, 102). The student must take one course each in the area of United States, European, non-Western study, or History 400.

Teacher Certification. History majors preparing to teach at the secondary level are required to complete the major cited above and to include History 111 and 112, at least one junior-level course in United States history, and three courses in world history. The State of Illinois requires a minimum of 32 hours of history. Students who plan to teach are advised to complete a minor in another department so they will be prepared to teach in more than one area. The additional requirements for certification are described in the Education Department

section of the catalog and must include Education 341.

101. Western Civilization I. Survey of the major eras of Western civilization from the beginning of civilization into the 16th century, with an emphasis on geography, political and religious systems, and social change. Will touch upon Western impact on the civilizations of Asia, Africa, and the Americas. Film lab. (Three credits.)

102. Western Civilization II. Survey of the major eras of Western civilization from 1550 to 1900, with an emphasis on geography, religious thought, the growth of nations, and social change. Film lab. (Three credits.)

105. Movies and Contemporary Society: Topic. Movies and Contemporary Society is a one-hour course that explores how a particular theme or issue in contemporary American society has been represented in popular mainstream movies. The course will meet one evening a week for ten weeks for a short lecture on the movie, to view the movie, and to discuss it. The course may be repeated once, when the topic is changed. (One credit.)

110G. American History 1492-1750. An investigation of the reasons why early modern Europeans undertook what became the conquest of the Americas, how the Spanish, French, and English interacted with the Native Americans they encountered, and the experiences of later immigrant groups. Uses extensive audio-visual materials. Film lab. (Three credits.)

111G. United States History 1750-1900. A study of the main political, social, cultural, and economic developments in the late Colonial, early national, Civil War, and

industrial eras until 1900. Film lab. (Three credits.)

112G. United States History 1900-Present.

A study of political and social movements in the United States from 1900 to the present. Film lab. (Three credits.)

200. History of Illinois. A video-based program of study designed for secondary-education majors who will be taking the state history exam. (One credit.)

202G. Modern Japan. A study of the social, economic, and political development of modern Japan that emphasizes Japanese responses to problems posed by contacts with the West. (Also Government 202.) (Three credits.)

206G. The Enlightenment. A study of the literature, philosophy, art, and music of the period 1600-1800. (Three credits.)

207G. Modernism. A study of the literature, philosophy, art, and music of the late 19th and early 20th centuries. (Three credits.)

208G. 19th-Century Arts and Letters. An interdisciplinary study of the romantic era combining art, music, literature, and philosophy. Offered in alternate years. (Three credits.)

209G. Russian Cultural History. An overview of the cultural history of the former Soviet Union. Emphasizes the tension between the arts (literature, music, the visual arts, and cinema) and the political context of the Soviet Union. Topics include: pre-revolutionary developments, avant-garde modernism of the revolution and the 1920s, socialist realism, censorship and samizdat,

emigre art and artists, glasnost, and the arts. (Three credits.)

211G. History of Greece. A study of classical Greece concentrating on ancient historians and their works. Offered in alternate years. (Also Classics 211.) (Three credits.)

212G. History of Rome. An interpretation and evaluation of Roman civilization with special emphasis on the late Roman republic. Film lab. (Also Classics 212.) (Three credits.)

222G. Medieval History. Topics in medieval life, politics, and culture. Covers Byzantine, Frankish, Viking, and late medieval civilizations. Film lab. (Three credits.)

223. The Renaissance. A study of social and political life with considerable attention to the cultural contributions of the period. Concentration on the Italian Renaissance, especially Florence. (Three credits.)

235. The Totalitarian Era. A study of the principal tyrannies that have shaped the modern world; concentration on the Soviet Union, Nazi Germany, and People's Republic of China. Film Lab (Three credits.)

240G. Ancient Society: Topic. A close examination of a particular aspect of Graeco-Roman society with special attention to the ways in which the lives of ancient Greeks and Romans were different from those in the modern world. Each time it is offered, this course covers a different social topic, including the ancient family, athletics, education, political organization and theory, military life, utopias, etc. May be repeated for credit with different topics. (Also Classics 240G.) (Three credits.)

250. Special Topics. (One to three credits.)

251. Special Topics (one credit). May be repeated once as topics change.

300. Historiography Seminar. A research and historiography seminar required of all history majors. Should be taken in the junior year. (Three credits.)

302G. History of the Middle East. A study of the tensions between tradition and modernity in the area, with emphasis on Islamic movements. The history of Arabic, Turkic, and Iranian peoples; the period of Ottoman rule; the impact of Western imperialism; and Zionist nationalism are examined. Attention is given to Soviet-American activities in the area and their relation to the political dynamics of the region. (Also Religious Studies 302.) (Three credits.)

303G. History of India and South Asia. Emphasizes the Hindu and Muslim periods, the impact of British colonialism, the 20th century Nationalist movement, and the emergence of Pakistan. Attention is given to modern Hindu, Muslim, and Sikh religious-political movements. The efforts to institutionalize a secular democratic polity in India and to define an Islamic polity in Pakistan are considered. (Also Religious Studies 303.) (Three credits.)

304G. History of Sub-Sahara Africa. A study of tensions between tradition and modernity with emphasis on Western imperialism, Southern Africa, and the rise of African nationalism. (Three credits.)

305G. History of Mexico. Survey of Mexican history from the Indian civilizations to the present with an emphasis on the

evolution of society from the two cultures of the colonial period to the Mestizo culture of today. Film lab. (Three credits.)

313. History of American Education. A study of the evolution of the public schools and higher education emphasizing problems of the 20th century. Open only to juniors and seniors in the teacher education program. (Three credits.)

314. Civil War. A survey of the War Between the States, using documents of the government depository in the Hewes Library. Film lab. (Three credits.)

315. Wild West. A survey of the trans-Mississippi West from 1790 to 1890, using literature and materials from the government depository in the Hewes Library. Film lab. (Three credits.)

316. World War II. A survey of the world conflict emphasizing its watershed importance for modern times, especially its impact on United States society and America's view of its role in world politics. Film lab. (Three credits.)

320. Independent Study. Reading supervised by instructors in more advanced areas not usually offered. Prerequisite: Consent of the instructor. (One to three credits.)

330. Biography and United States History. This class will study the lives of prominent individuals in United States social, cultural, and political history; critically analyze the history of biography; and investigate how history comes to be written by examining those who have been the subject of scholarly biographies and those who have not. Prerequisite: History 111G or

History 112; or permission of instructor. Course may be repeated for credit as topics vary. (Three credits.)

340. The Vietnam Era. United States History in the era of the Vietnam War: military and political history, civil rights, and popular culture. Audio-visual materials and the government document collection emphasized. Film lab. (Three credits.)

358. Family History and Genealogy. Social history of the United States from 1900, methods of genealogical research and writing. Each student writes a family history. Film lab. (Three credits.)

365. Modern American Diplomatic History. A selective examination of the American experience, contrasting the initial circumstances of a marginal state with the contemporary setting of a dominant power. Questions are asked about the relationship

between American values and mythology and characteristics of policy and diplomacy. (Also Government 365.) (Three credits.)

370. Women in United States History. A survey of women's historical experiences in the United States from the American Revolution to the present, this course will examine the methodology of women's history, demonstrating its similarities with and important divergences from traditional approaches to the past. One important goal of the course is to examine women's history as both an integral part of United States history and as a unique subject of historical investigation. Prerequisite: Either History 111G or History 112, or permission of the instructor.

420. Honors Project. An extensive research thesis on a topic selected by the student and the instructor. Prerequisites: History 400 and consent of the instructor. (Three credits.)

INTERDISCIPLINARY STUDIES

Hong Xiao, Lecturer

101G. Freshman Seminar. A seminar required of all freshmen and taught by faculty from a number of different disciplines. Theme-related texts in the course raise basic questions about the variety of human experience, and about personal and shared values and goals. Students are expected to think critically about the issues raised, to participate in discussions, and to write papers on the works studied. (Four credits.)

201G. Comparative Societies. A historical and cross-cultural introduction to the great variety of ways people organize their social lives. The course includes consideration of differences between so-designated more developed and less developed ("third-world") countries. Emphasis ranges from broad historical analyses, such as the transformation of societies from rural agricultural to urban industrial, to focused comparison of selected aspects of everyday life in different types of societies. Sophomore standing. (Three credits.)

210. Freshman Seminar Associates. Students will assist Freshman Seminar instructors in the conduct of the seminar. Such assistance may involve: attending convocations and leading student discussions on convocation presentations; leading discussion of a text in the seminar; reading student papers; offering writing tutorial help to students enrolled in Freshman Seminar; participating in special projects such as panels, symposia, workshops, etc. Each student will be asked to prepare a short,

evaluative paper on the experience at the end of the semester. Open to sophomores, juniors, and seniors. Prerequisites: Academic good standing and a B grade or better in Freshman Seminar at Monmouth College and permission of instructor. Limited enrollment: one associate per section of Freshman Seminar. (Two credits.)

ISSUES AND IDEAS

Courses in this area fulfill the senior general education requirement. A student is required to take one course from those listed below.

402. Classical Mythology and Religion.

Considers the meaning of myth and religion in Graeco-Roman society. Discusses various theories of myth, including rationalism, charter myths, and myths as ritual justification. Surveys various aspects of Greek religion, especially mystery religions like the cult of Demeter at Eleusis and the worship of Dionysus. Prerequisite: Senior standing. (Three credits.)

405. The Future of Religions in the

Twenty-First Century. An inquiry into the future of Judaism, Christianity, Islam, Hinduism, Buddhism, Confucianism, and other religions in the next century. The impact of modernity and secularization on religions in the twentieth century will be discussed. Possibilities for the renewal of religious life in our "postmodern age" will be explored. (Also Religion 405.) (Three credits.)

408. Personal Identity. An examination of the biological, behavioral and social foundations of the sense of personal identity. The course considers the ways in which personal identity may be a gift, a biological imperative, a challenge, a distraction, a social creation, or an illusion. The multiple anchors of our identity in memory, body, society and immediate experience are explored.

410. Environmental Ethics. An examination of ecological problems caused

by human activities and possible solutions, starting with a rethinking of the relationship between human beings and nature. From different perspectives, including non-western as well as western, the course will investigate various interrelated issues ranging from ethical to metaphysical, including "Do we have an obligation to natural objects?", "If there should be an environmental ethic, what kind of ethic should it be?", etc. Students will have opportunities to develop and express their own views on these issues. (Also Philosophy 310 and Religious Studies 310.) Prerequisite: Senior standing. (Three credits.)

426. Feminist Approaches to Literature

and Society. An application of feminist critical theories to the examination of social constructs present in literary works and in social problems.

434. War and Peace. A study of the causes and results of war, efforts to bring about a peaceful and orderly society, and reasons for the persistence of armed conflict. Prerequisite: Senior standing. (Three credits.)

435. Political Philosophy from Plato to

the Present. A historical survey and philosophical analysis of political theory from ancient Greece to the present. Includes works by Plato, Aristotle, Machiavelli, Hobbes, Lock, Rousseau, Marx, and Mill. (Also Government 411 and Philosophy 411.) Prerequisite: Senior standing. (Three credits.)

436. Poetics of the Self. An investigation of some questions that arise from an awareness of one's own self. The intent is to place the question "Who am I?" into a critically manageable context. Emphasizes discovery of the self and various strategies for making sense of who one is. Particular emphasis on

the need for models (plots, paradigms, myths) in defining our existence. (Also Philosophy 336.) Prerequisite: Senior standing. (Three credits.)

437. The New Individual: Narcissus and the Faceless Man. A study of individualism and conformity emphasizing the origins of the tradition of pessimism in modern American thought. Includes discussion of anarchism, conformity, authoritarianism, and totalitarianism contrasted with the ideal of the well-rounded individual of the liberal arts tradition. Includes readings from history, philosophy, and literature. Prerequisite: Senior standing. (Three credits.)

444. The Politics of Islam. Examines different forms of Islamic revivalism as well as the basic political tenets of Islam. Puts current trends in historical perspective. (Also Government 244G.) Prerequisite: Senior standing. (Three credits.)

468. The Arts in Society. The arts examined critically from the perspective of the values which they embody, express, and communicate. Topics include: freedom and creativity; the autonomous value of the arts; art and the sacred; the arts in relation to the civic environment (urban design, education, censorship, pornography, political revolution, patronage, and kitsch). Prerequisite: Senior standing. (Three credits.)

472. Fiction and Industrial Society. An investigation of issues and questions of value raised by selected 19th- and 20th-century novels that focus on modern industrial society. Prerequisite: Senior standing. (Three credits.)

477. Energy Resources. Study of the geologic, economic, and socio-political implications of locating, recovering, utilizing, as well as the disposing of the wastes from the use of the earth's energy resources. The effects of population growth and the demands from industrial development will be considered. Prerequisite: Senior standing. (Three credits.)

479. Cosmology and Creation. An investigation, from Western and Eastern points of view, of the origin of the universe and our place in it, this course raises issues that confront most thinking people at some point in their lives. It will examine differing view points, such as myth and truth, creation and evolution, science and religion and critically study the contributions of scientists—both physical and biological, philosophers—ancient and modern, and theologians—traditional and non-traditional, and notice where these scholars interrelate and where they part company. (Also RELG 479.) (Three credits.)

MATHEMATICS AND COMPUTER SCIENCE

Lyle L. Welch, Professor, Chair
Richard L. Cogswell, Professor
Marta M. Tucker, Professor
Marjorie E. Bond, Assistant Professor
Andrius Tamuliš, Visiting Instructor

MATHEMATICS

■ **Mathematics Major.** The mathematics major requires a minimum of 30 semester hours and has two components. The first component includes courses required of all majors while the second component is courses elected from a list of courses in Computer Science, Physics, Philosophy, or other offerings in Mathematics.

Required courses: Mathematics 151 (or equivalent), 152, 241, 253, 311 or 317, 330 or 420.

Elective courses: Mathematics course numbered 200 or above (except 324), Computer Science 315, Philosophy 201, Physics 356.

In addition, one semester of Pascal is required of all majors.

■ **Teacher Certification.** Those preparing for secondary level Mathematics teaching must complete the major cited above and include Mathematics 317. The additional requirements for certification are described in the Education Department section of the catalog; candidates must include Mathematics 324.

■ **Mathematics Minor.** The mathematics minor requirement includes: one course in

Calculus, Mathematics 241, three semester hours at the 300 level, and additional mathematics courses at or above the 150 level (except 324) in order to meet or exceed the college requirement of 15 semester hours of work in mathematics.

104. Introduction to Mathematics. An introduction to the mathematical processes and the use of mathematics in problem solving. Topics will include but are not limited to algebra, sets, probability, statistics, trigonometry, geometry, and number theory. The course is intended for non-majors. (Three credits.)

106. Elementary Statistics. A study of the methods of handling data and the nature of probability distributions and an introduction to statistical inference with applications. Topics include mean and variance, correlation and regression, and some of the basic distributions of statistics. (Three credits.)

110. Mathematics for Elementary Education. A study of the number systems of arithmetic, the natural numbers, the rational numbers, statistics, and problem solving. (Three credits.)

141. Elementary Functions. A pre-calculus study of polynomial, circular, exponential, and logarithmic functions. Prerequisite: Three years of college preparatory mathematics. (Four credits.)

151. Calculus I. A study of the calculus of functions of a single variable. Prerequisite: Four years of college preparatory mathematics or Mathematics 141. (Four credits.)

152. Calculus II. A continuation of

Mathematics 151. Prerequisite: Mathematics 151 or one year of high school calculus. (Four credits.)

206. Elementary Statistics with Calculus.

An introduction to statistical methods and the role of calculus in these methods. Topics include mean and variance, correlation and regression, distributions of statistics, and statistical inference. Prerequisite: Mathematics 151. (Four credits.) (Students who have completed Math 106 may not register for this course.)

241. Linear Algebra. A study of finite dimensional vector spaces, linear transformation, and matrices. Prerequisite: Mathematics 151. (Three credits.)

250. Special Topics. (Three credits.)

253. Calculus III. A study of the calculus of functions of more than one variable: including partial differentiation and multiple integration. Prerequisite: Mathematics 152. (Three credits.)

254. Differential Equations. An introduction to ordinary differential equations and their applications. Prerequisite: Mathematics 152. (Three credits.)

260. Discrete Structures. Topics include sets and logic, number systems, properties of whole numbers, functions and relations, recursion, combinatorics and probability, matrices, and graph theory. (Three credits.)

301. Advanced Calculus. A theoretical development of the calculus of one and several variables, including topological concepts, linear theorems, differentiation, integration, series, pointwise convergence, and uniform convergence. Offered in

alternate years. Prerequisite: Mathematics 253. (Three credits.)

311. Introduction to Modern Algebra. A study of groups, rings, and fields plus their applications. Offered in alternate years. Prerequisite: Mathematics 152 and 241. (Three credits.)

317. Geometry. A study of such topics in advanced and modern geometry as non-Euclidean geometry, finite and projective geometries, isometries and transformation groups, convexity, foundations, and axiomatics. Offered in alternate years. Prerequisite: Mathematics 152. (Three credits.)

323. Numerical Analysis. An introduction to numerical algorithms. Methods will include finding roots of equations, interpolation, curve-fitting, approximations of functions, and numerical differentiation and integration. Offered in alternate years. Prerequisite: Mathematics 152. (Three credits.)

324. Mathematics Methods for Secondary Teachers. A study of the philosophy and methods of teaching mathematics in junior and senior high school. Co-prerequisites: Mathematics 317, Education 340. (Three credits.)

330. Mathematics Modeling. A study of the mathematical modeling process. Examples will come from calculus, linear algebra, and physics. Students will present a mathematical model of some phenomenon. Prerequisites: Mathematics 241 and senior standing. (Three credits.) (Math-Education majors may take this course in the junior year.)

339. Probability and Statistics. An introduction to probability theory and its applications, including discrete and continuous random variables, density functions, distribution functions, expectations, and variance. Offered in alternate years. Prerequisite: Mathematics 206. (Three credits.)

350. Topics in Mathematics. Possible topics include topology, complex variables, and continuations of other mathematics courses. May be repeated if the student does not already have credit for the topic offered. Offered when there is sufficient student interest. Prerequisites: Mathematics 152 and consent of the instructor. (Three credits.)

420. Independent Study and Seminar. A study of selected topics in advanced mathematics. Prerequisite: Mathematics 311. (Three credits.)

COMPUTER SCIENCE

■ **Computer Science Major.** The computer science major requires a minimum of 30 semester hours and has two components. The first component includes courses required of all majors while the second component is courses elected from a list of courses in Mathematics or other offerings in Computer Science.

Required courses: Computer Science 161 (or equivalent), 163, 190, 220, Mathematics 260, two courses from Computer Science 320, 325, 335 or 345, and Computer Science 400 or Mathematics 330.

Elective courses: Computer Science course numbered 200 or above (except 324), Mathematics 151, 241, 323, 330.

Those preparing for graduate study should take Computer Science 325, 335, 345, and complete a mathematics minor.

■ **Computer Science Minor.** The computer science minor requirement includes: one course in a programming language, Computer 163, three semester hours at the 300 level, and additional computer science courses at or above the 160 level to meet or exceed the college requirement of 15 hours of work in computer science.

125. Introduction to Computer Science. An introduction to the computing process, the use of computers in problem solving, the elements of programming, and the applications and cultural impact of computers and computing. This course is intended for students with no previous computer experience. (Three credits.)

161. Structured Programming in Pascal. An introduction to the computing process and the use of Pascal in problem solving. Students are introduced to structured programming, logic, algorithms, and pseudo-code. (Four credits.)

163. Data Structures with Pascal. An introduction to computer data structures which include arrays, strings, stacks, queues, linked lists such as trees and algorithms for use with these structures, file processing, and sequential and random access. Prerequisite: Computer Science 161. (Four credits.)

190. Digital Electronics for Computer Science. An introduction to digital circuit elements, including the microprocessor. Emphasizes practical experience. Prerequisite: Computer Science 161. (Also Physics 190.) (Four credits.)

200. Programming in C. An introduction to programming in C. Students are introduced to the structure and syntax of this language. Recommended for those

planning to enroll in File Structures, Operating Systems or Graphics. Prerequisite: COMP 163. (One Credit.)

220. Assembly Language. Topics include computer structure and machine language, assembly language, addressing techniques, macros, input-output, and program construction. Prerequisite: Computer Science 190. (Three credits.)

250. Special Topics. (Three credits.)

315. Scientific Programming in Fortran. A study of the applications of Fortran in writing programs for use in the sciences. Prerequisite: Computer Science 161. (Three credits.)

320. File Structures. A study of the various organizations and access methods of computer files and file systems. Theory, algorithms, and performance efficiencies are emphasized. Prerequisite: Computer Science 163. (Three credits.)

325. Organization of Programming Languages. A study of the necessary components of programming languages and of how computers implement programs. Prerequisites: Computer Science 163, 220. (Three credits.)

335. Systems Analysis and Design. Includes building and describing a logical model of a system, top-down design of modular structures, and database management. Prerequisite: Computer Science 163. (Three credits.)

340. Analysis of Algorithms. A study of the design and analysis of computer algorithms. Topics include asymptotic

analysis, efficient algorithm design, sorting and order statistics, hashing, binary search trees, graph algorithms, matrix multiplication, and NP completeness. Prerequisites: Computer Science 163, Mathematics 260. (Three credits.)

345. Operating Systems. Topics include dynamic procedure activation, system structure, memory management, process management, and recovery procedures. Prerequisites: Computer Science 163, 220. (Three credits.)

350. Topics in Computer Science. Possible topics include other programming languages and artificial intelligence. May be repeated for credit with different topics. Offered when there is sufficient student interest. Prerequisites vary according to the topic studied. (Three credits.)

400. Senior Project. An individual project chosen by the student in consultation with the computer science faculty. The project may involve the development of a software and/or hardware system, or may consist of the theoretical study of an approved topic. Prerequisite: Computer Science 163, 190, 220, and senior standing. (Three credits.)

420. Independent Study. An individual project in computer science undertaken by the student with the guidance of the faculty. Prerequisite: Consent of the instructor. (Three credits.)

450. Internship in Computer Science. An experience designed to allow students in the computer science field to apply the concepts and ideas developed during their study in the major. Prerequisite: Senior standing and prior approval of the department. (Three credits.)

MILITARY SCIENCE

A student enrolled in the military science program seeking a commission in the U.S. Army Reserve may major in any recognized discipline within the College.

The military science program provides instruction and practical experience in leadership and management that will help students succeed in any desired career, civilian or military.

■ Requirements for Commission.

1. Completion of requirements for the bachelor's degree.
2. Department core in military science under the four-year program (21 semester hours).
 - a. Introduction to Military Science 101 and 102 (two semester hours).
 - b. Basic Military Science 201 and 202 (four semester hours).
 - c. Intermediate Military Science 301 and 302 (six semester hours).
 - d. Advanced Summer Camp (six semester hours placement credit).
 - e. Advanced Military Science 401 and 402 (six semester hours).
 - f. Maintain a C average in intermediate and advanced military science courses.
 - g. Issues and Ideas 434 (three semester hours).
3. Departmental core in military science under the two-year program (21 semester hours).
 - a. Basic Summer Camp or equivalent training (six semester hours placement credit).

- b. Intermediate Military Science 301 and 302 (six semester hours).
- c. Advanced Summer Camp (six semester hours placement credit).
- d. Advanced Military Science 401 and 402 (six semester hours).
- e. Maintain a C average in intermediate and advanced military science courses.
- f. Issues and Ideas 434 (Three semester hours).

4. Maintain a College cumulative grade-point average of 2.0 or better.

5. Meet prescribed medical fitness standards.

■ **Advanced Placement.** Students with prior military service or those who have completed one or more years at a service academy or basic and advanced individual training (ARNG, USAR) will receive credit for advanced placement.

■ **Extracurricular Activities.** A variety of extracurricular activities is offered for all students enrolled in military science. Many involve team competition with other universities.

■ **Reserve Officers' Training Corps (ROTC).** The ROTC program offers a variety of opportunities for qualified students to obtain commissions as officers in the United States Army. Commissions are earned while the students obtain their B.A. degrees in the academic discipline of their choice (a student does not major in military science). Many students earn their degrees with federal ROTC scholarship assistance and receive financial aid from ROTC. The opportunities to obtain a commission include a four-year program, a modified four-year program, and a two-year program.

■ **Four-year Program.** The normal progression to a commission is the four-year program. It consists of a basic course (first two years) and an advanced course (second two years). College academic credit is earned for all course work satisfactorily completed.

•**BASIC COURSE.** Basic Course enrollment is limited to freshmen and sophomores. (The permission of the department chair is required for other students.) In the spring of each year, freshmen and sophomores compete for several federal ROTC scholarships. Basic Course students are not required to wear uniforms or obtain haircuts. Basic Course students do not incur any military obligation. During the period of the Basic Course, the students decide whether they want to enter the Advanced Course. The military science department evaluates their qualifications and determines their eligibility for acceptance.

•**ADVANCED COURSE.** Advanced Course students include all students who have successfully completed the Basic Course or received credit for the Basic Course under one of the other options discussed below. Entry into the Advanced Course is a joint decision by the student and the military science department.

Requirements include being of good character, a loyal U.S. citizen, under 28 years of age, medically qualified, not a conscientious objector, having more than a 2.0 cumulative grade-point average, and passing an entrance test. Students entering the Advanced Course sign a contract with the government and earn \$150 tax free each month during their last two years of college (up to \$3,000). They continue to compete for numerous federal scholarships. Advanced Course students do incur a military obligation in either the Reserves, National Guard, or

Active Army. The length of obligation varies depending on the type of commission taken. Students can be guaranteed Reserve Forces duty. Course work for the Advanced Course spans two years. Advanced Course students also attend an Advanced Summer Camp of five weeks duration, normally between their junior and senior years. Students receive pay, travel pay, and board and room while attending the camp.

■ **Two-year Program.** The two-year program permits the student to enter the Advanced Course after successful completion of the ROTC Basic Summer Camp. The ROTC Basic Camp is approximately five weeks long and provides military training in such subjects as leadership, rappelling, map reading, rifle marksmanship, physical training, tactics, communications, first aid, and water survival. The student attending ROTC Basic Camp is paid to attend and receives free lodging, meals, and college credit (six elective hours). There is no service obligation connected with the camp. The camp is designed to provide the student with Basic Course credit. Students wishing to attend the Basic Camp should apply early in the spring semester.

■ **Advanced Placement Credit.** Veterans, prior service students, junior ROTC students (three or more years), and National Guard or USAR members may receive advanced placement credit for the Basic Course.

■ **Financial Aid.** During the last two years of military science, contracted Advanced Course students receive a total living allowance of approximately \$3,000 tax free. This subsistence allowance is received in \$150 monthly installments during the school year. Simultaneous Membership Program cadets also receive pay from their Reserve or

National Guard unit.

■ Commission as a Second Lieutenant.

Students who successfully complete all requirements of the ROTC program are commissioned as second lieutenants. These commissionees fulfill their contractual obligations by serving in the Army Reserve, National Guard, or on Active Duty. Service in the Reserve or National Guard is an ideal way of blending a full-time civilian career with part-time service to the country as an officer. The military duties of these new officers cover the entire spectrum from infantry to medical service, including such options as aviation, personnel administration, finance, military intelligence, and military police. Many students delay their military duties to attend graduate school or to attain professional degrees. Students desiring further information should call Western Illinois University at 309-298-1161 and arrange for a meeting at the ROTC office.

101. Introduction to Military Science. A course designed to introduce students to Army ROTC and the organization of the U.S. Army and its role in American society. Teach fundamental concepts in leadership in both classroom and outdoor activities. Increase self-confidence through optional activities in rappelling, leadership reaction course, and basic marksmanship. (One credit.)

102. Introduction to Military Science. A continuation of Military Science 101. This course continues to build the knowledge base of soldier skills such as first aid, marksmanship, and writing. Expands a student's opportunity for and knowledge of leadership skills through basic drill, rappelling and the leadership reaction course. Prerequisite: Military Science 101. (One credit.)

201. Basic Military Science. Students participate in discussions of selected leadership principles and the methods of military instruction. Introduction to a leadership development program which assesses students using 12 leadership dimensions. Instruction in basic individual military skills. Prerequisite: Military Science 102. (Two credits.)

202. Basic Military Science. Continuation of discussions of personal leadership development and individual military skills. Exercises in team building, small unit leadership techniques, and military map reading. Prerequisite: Military Science 201. (Two credits.)

220. Individual Studies. Special study in military science carried out under the supervision of a faculty member. Limited to enrolled military science students. Prerequisite: Permission of the PMS. (One to three credits.)

301. Intermediate Military Science. Theories and techniques of military leadership. Concentration on leader/group interaction, organizational demands, communication, and counseling. Practical opportunities to lead small groups, receive assessment, and lead in situations of increasing complexity. Application of leadership techniques in small unit tactics and preparation for Advanced Camp. Prerequisites: Military Science 202 or Basic Camp and consent of the PMS. (Three credits.)

302. Intermediate Military Science. Continues methodology of Military Science 301. Tactical organization, operations and small unit leadership of rifle squad and platoon in the attack and defense. Written

and oral presentation of operations orders, reports, and control systems. Proficiency in land navigation. Preparation for Advanced Camp. Prerequisite: Military Science 301 and consent of the PMS. (Three credits.)

401. Advanced Military Science. Designed to prepare the cadet for transition to lieutenant. Students will learn the expectations of duties of the newly commissioned officer, including command and staff functions through classroom discussion. They will also function as a battalion level command and staff element. Military Science 401 will also continue to improve upon presentation skills, use of after action review/reports, understanding Army Training Doctrine, operation orders and military justice. Prerequisites: Military Science 302 and consent of the PMS. (Three credits.)

402. Advanced Military Science.

Culmination of the leader development process at the pre-commissioning level, preparing for the transition from cadet to lieutenant. Training is to solidify the commitment to officership, reinforce individual competencies, and offer practical leader experiences. Includes the study and application of oral and written communications, leadership/professional ethics, logistics and maintenance. Prerequisites: Military Science 401 and consent of the PMS. (Three credits.)

420. Individual Studies. Special study in military science carried out under the supervision of a faculty member. Limited to enrolled military science students. Prerequisite: Permission of the PMS. (One to three credits.)

MODERN FOREIGN LANGUAGES

Susan Holm, Professor, Chair
Marie-Jo Descas, Assistant Professor
Alfred Keller, Assistant Professor
Luisa Carmen Barbaro-Medrano, Lecturer
Mayra Carrillo-Daniel, Lecturer
Gregorio David Fleitas, Lecturer
Jacqueline Glad-Baca, Lecturer
Mary Lois McCarnes, Lecturer
Maria Mellado-Bottger, Lecturer
Jacquelynn Urban, Lecturer

■ **Spanish Major.** A major in Spanish consists of a minimum of nine courses/27 semester hours beyond the 102 level. Spanish majors must also take a proficiency exam following Spanish 210, and must pass a comprehensive examination upon completion of the major and before graduation.

Students planning careers in international business, government, or service should consult the department for specific course recommendations. The Modern Foreign Languages Department encourages its majors to spend a period of time abroad in study and travel and helps those who wish to do so in every way it can.

■ **Spanish Minor.** A minor in Spanish consists of a minimum of five courses/15 semester hours beyond the 102 level. Spanish minors must also take a proficiency exam following Spanish 210.

■ **Teacher Certification.** Majors seeking certification in secondary education must complete a comprehensive major in Spanish as cited above. The State of Illinois will count Spanish 101 and 102 as part of the required 32 semester hours for certification although

101 and 102 do not count toward a major in Spanish. If students place out of 101 and/or 102 at Monmouth College, their transcript will indicate their proficiency at the 101 and/or 102 level. Thus, the proficiency test results will be allowed by the State of Illinois as the equivalent of having taken 101 and/or 102, for the sole purpose of counting courses since no credit will be given. Candidates must also complete the additional certification requirements described in the Education Department section of the catalog, and must include Modern Foreign Language 460, Methods of Teaching Modern Foreign Language.

SPANISH

101G. Elementary Spanish I. An introduction to Spanish both as a spoken and written language with attention to pronunciation and practice in using the language, and as the communication system for a different culture, including distinct thought processes and viewpoints. (Four credits.)

102G. Elementary Spanish II. A continuation of Spanish 101. Prerequisite: A passing grade in Spanish 101 or placement. (Four credits.)

201. Intermediate Spanish. Emphasis on the spoken and written language aimed toward accurate oral and written expression. Includes review of grammar. Students become further acquainted with cultural aspects of Spain and Spanish America. Prerequisite: A passing grade in Spanish 102 or placement. (Three credits.)

210. Advanced Composition and Conversation. A study of the structure of the Spanish language beyond the intermediate level. Includes conversation based on readings

and written composition aimed toward accuracy of expression. Prerequisite: Spanish 201 or its equivalent. (Three credits.)

250. Special Topics. May be repeated for credit. (Three credits.)

252. Culture, Folklore, and Historical Background of the Spanish-Speaking World. A study of Spanish civilization, the development of Hispanic culture, and its ramifications in Spanish-speaking countries. Prerequisite: Spanish 201 or its equivalent. It is recommended that the student take Spanish 210 prior to taking Spanish 252. (Three credits.)

310. Introduction to Spanish Literature. An introduction to the genres of poetry, narrative, drama, and essay, and to basic literary analysis, using representative works from Hispanic and Hispanophone literature. Prerequisite: Spanish 210 or placement. Offered alternate years. (Three credits.)

321. The Golden Age of Spanish Literature. A study of the Quijote and the poetry and drama of the Renaissance and Baroque periods. Prerequisite: Spanish 310 or consent of the instructor. Offered alternate years. (Three credits.)

322. 19th-Century Spanish Literature. A study of representative works from the Romantic, Realist, and Naturalist movements in Spain. Prerequisite: Spanish 310 or consent of the instructor. Offered alternate years. (Three credits.)

323. 20th-Century Spanish Literature. An examination of Spanish literature as a reflection of 20th-century Spanish society. Prerequisite: Spanish 310 or consent of the instructor. Offered alternate years. (Three

credits.)

324. Spanish American Literature. An overview of tendencies in Latin American literature with special emphasis on contemporary literature. Prerequisite: Spanish 310 or consent of the instructor. Offered alternate years. (Three credits.)

326. Topics in Spanish. A detailed study of a selected topic related to the Spanish language or Hispanic literature. May be repeated for credit. Prerequisite: Spanish 310 or consent of the instructor. Offered every two or three years. (Three credits.)

FRENCH

French Major. A major in French consists of a minimum of nine courses/28 semester hours beyond the 102 level. French majors must also take a proficiency exam following French 210/220, and must pass a comprehensive examination upon completion of the major and before graduation.

Students planning careers in international business, government or service should consult the department for specific course recommendations. The Modern Foreign Languages Department encourages its majors to spend a period of time abroad in study and travel and helps those who wish to do so in every way it can.

French Minor. A minor in French consists of a minimum of five courses/16 credit hours beyond the 102 level. French minors must also take a proficiency exam following French 210/220.

101G. Elementary French I. An introduction to French both as a spoken and written language with attention to pronunciation and practice in using the

language, and as the communication system for a different culture, including distinct thought processes and viewpoints. (Four credits.)

102G. Elementary French II. A

continuation of French 101. Prerequisite: A passing grade in French 101 or placement. (Four credits.)

201. Intermediate French. A one semester intermediate course designed to enable students to attain a functional level of proficiency in French. The emphasis is on the development of oral-aural skills (speaking and listening). Prerequisite: French 102 or placement. (Three credits.)

210. Advanced Composition and Conversation.

A study of the structure of the French language beyond the intermediate level. Includes continued grammar study and written and oral composition aimed toward accuracy of expression. Prerequisite: French 201 or its equivalent. Offered only in conjunction with French 220. (Three credits.)

220. Proficiency in French. (Taught in French) This course provides students with a functional level of proficiency in French. Emphasis is placed on developing students four skills (speaking, writing, listening and reading). Prerequisites: French 201, equivalent, or consent of instructor. Not offered as a separate course but only in conjunction with French 210. (One credit.)

250. Special Topics. May be repeated for credit. (Three credits.)

252. Culture, Folklore, and Historical Background of the French-Speaking World. This course is an introduction to different aspects of contemporary France:

values, attitudes, beliefs and instructions. For a better understanding of both the high and popular culture, this course will also explore as a background a number of political issues (legacy of the Occupation, decolonization, etc.) French civilization (history, literature and the arts) will be mainly treated as a means of better understanding present day France. Prerequisite: French 201 or its equivalent. (Three credits.)

315. French Writing and Grammar. The aim of this course is to provide the grammatical knowledge and necessary grounding students need to comprehend complex readings and to write advanced papers in French. Prerequisite: French 210/220 or consent of instructor. (Three credits.)

321. *Explication de texte.* (Taught in French) Students will be introduced to various strategies for analyzing literary and non-literary texts. Students will also study the aesthetics and theory of literary expression. Selected texts range from the 18th through the 19th century. Prerequisite: French 315. Offered alternate years. (Three credits.)

332. Perspectives in French Literature (Theater/Prose/Poetry). (Taught in French) Organized by "genre" (theater, poetry or prose) and by "sicle" (century), this basic course in literature provides an overview of French literature and acquaints students with major literary trends through the study of representative works from various periods. Can be repeated for credit provided that the topics and texts differ from one semester to the next. Prerequisites: French 315 and 321. Offered alternate years. (Three credits.)

325. Business French. (Taught in French) The goals of this course are both linguistic

and substantive. In addition to learning professional vocabulary, students will study the functioning and characteristics of the French business world. The following topics will be covered: A) business letters, resume writing, interviews and job searching; B) overview of selected business cases; C) financial institutions; D) trade (etc.). Prerequisites: A good knowledge of basic French grammar and French 315. Offered alternate years. (Three credits.)

423. Perspective in French Literature (Love). (Taught in French) This course will address the relationship between love and desire as well as the representation of characters in love and characters loved, how female and male protagonists are portrayed as both active and passive at the same time. The selected works for this course range from the Middle Ages through the twentieth century. May be repeated for credit as topics vary. Offered alternate years. (Three credits.)

424. Francophone Literature. (Taught in French) Reading some of the most compelling literary representations of children growing up in Africa or Antillean milieu, we will focus on themes, motifs, symbols and other literary devices used to articulate their reflections, dilemmas, perplexities and choices. Colonialism, assimilation, identity, the other versus the self are some of the themes to be explored in this course. Offered alternate years. (Three credits.)

GERMAN

101G. Elementary German I. An introduction to spoken and written German with attention to pronunciation and practice in using the language and as the communication system for a different culture, including distinct thought processes and

viewpoints. (Four credits.)

102G. Elementary German II. A continuation of German 101. Prerequisite: A passing grade in German 101 or placement. (Four credits.)

201. Intermediate German. A continuation of German 102 in which students complete their overview of German grammar and further develop their skills in speaking, listening, writing, and reading. Prerequisite: German 102 or placement. (Three credits.)

MODERN FOREIGN LANGUAGES

220. Individual Study. Students arrange appropriate sophomore-level independent study projects with individual instructors in their major language. (One to four credits.)

250. Special Topics. May be repeated for credit. (Three credits.)

320. Individual Study. Students arrange appropriate junior-level independent study projects with individual instructors in their major language. (One to four credits.)

340. Introduction to Linguistics and Phonetics. A course designed for students interested in the structure and phonetics of modern languages. (Three credits.)

420. Individual Study. Students arrange appropriate senior-level independent study projects with individual instructors in their major language. (One to four credits.)

460. Methods of Teaching Modern Foreign Languages. A study of the methods of teaching modern foreign languages. Required for secondary certification. Co-prerequisite: Education 340. (Three credits.)

MUSIC

James E. Betts, Associate Professor, Chair
Michael E. Sproston, Associate Professor
Perry White, Assistant Professor
Carolyn Suda, Lecturer

■ Music Major.

•GENERAL MAJOR. The program for the general music major includes Music 101, 121, 122, 123, 124, 321, 322, and 420; at least one course chosen from Music 201, 203, or 302; four credits in applied music; participation in Music 184 or 185 during each semester the student is enrolled on campus; and attendance at campus concerts and recitals. The major should consult with the department for additional policies.

The culminating experience for music majors is an independent study in the senior year consisting of an in-depth investigation of a topic chosen by the student in conjunction with the advisor.

•PERFORMANCE. Music majors who concentrate in performance must take an additional eight credits of applied music in their major instrument and present a full recital during the senior year. Other requirements for the general major apply.

■ Music Minor. The minor in music is designed for those students who wish to develop both their performance skills and their general understanding of music. The minor requires two courses (taken in sequence) chosen from Music 121, 122, 123, or 124; one course chosen from Music 201, 203, or 302; one course chosen from Music 321 or 322; four credits in applied music (including two credits in piano if not the major applied instrument); and four credits in ensembles. In addition, attendance at campus concerts and recitals is expected each semester.

■ Teacher Certification. Students preparing for certification in secondary vocal-music education take Music 101, 121, 122, 123, 124, 201, 252, 313, 321, 322, 420, and eight credits of applied music, as well as participate in Music 184 during each semester the student is enrolled on campus.

Candidates must also complete the certification requirements described in the Education Department section of the catalog. Those students preparing for a special K-12 vocal certificate take Music 312 in addition to the vocal-music education program.

APPLIED MUSIC

Performance instruction is available by audition or by consent of the instructor and consists of one half-hour lesson per week with at least one hour of daily practice for one credit per semester. Music majors or other advanced students may study for two credits per semester, requiring a one-hour individual lesson each week and at least two hours of daily practice.

Music majors are expected to demonstrate competence on the keyboard by passing an examination in functional piano. Piano study for music majors who have had little experience with a keyboard instrument is strongly recommended for the freshman year as a basis for further study of music.

Odd-numbered courses carry one credit per term; even-numbered courses carry two credits.

145G. Piano. (One credit.)

146G. Piano. (Two credits.)

151G. Voice. (One credit.)

152G. Voice. (Two credits.)

153G. Strings—Fretted. (One credit.)

154G. Strings—Fretted. (Two credits.)

155G. Strings—Cello. (One credit.)

- 156G. **Strings—Cello.** (Two credits.)
- 161G. **Woodwinds.** (One credit.)
- 162G. **Woodwinds.** (Two credits.)
- 165G. **Brass.** (One credit.)
- 166G. **Brass.** (Two credits.)
- 171G. **Percussion.** (One credit.)
- 172G. **Percussion.** (Two credits.)

ENSEMBLES

The following ensembles are open to all students by audition or by consent of the instructor. Each carries one credit per semester.

- 131G. **Jazz Band.** (One credit.)
- 133G. **Sound of Five/Vocal.** (One credit.)
- 134G. **Sound of Five/Instrumental.**
(One credit.)
- 181G. **Chorale.** (One credit.)
- 182G. **Instrumental Chamber Music.**
(One credit.)
- 184G. **Concert Choir.** (One credit.)
- 185G. **Wind Ensemble.** (One credit.)
- 186G. **Pipes and Drums.** CR/NC. (One credit.)

COURSES

101G. Introduction to Music. A study of musical materials, principles of organization, and historical styles. Designed to develop an understanding of music. Music majors or minors should enroll in Music 101 during their freshman year. (Three credits.)

121. Theory of Music I. An introductory investigation into the basic theoretical foundations of music—melody, harmony, rhythm, tone color, and form—through the study of music from various stylistic periods and the development of skills in listening, singing, keyboard, composition, and analysis. (Three credits.)

122. Theory of Music II. A continuation of Music 121 at the elementary level. Prerequisite: Music 121 or consent of the instructor. (Three credits.)

123. Theory of Music III. A continuation of Music 122 at the intermediate level. Prerequisite: Music 122 or consent of the instructor. Offered in alternate years. (Three credits.)

124. Theory of Music IV. A continuation of Music 123 at the advanced level. Prerequisite: Music 123 or consent of the instructor. Offered in alternate years. (Three credits.)

201. Introduction to Conducting. An introduction to the principles of conducting that includes interpretive study of choral and instrumental scores. May include conducting campus music groups. Offered in alternate years. Prerequisite: Music 124 or consent of the instructor. (Three credits.)

203G. Evolution of Jazz. A study of the origin and development of jazz and its components. Designed to develop an understanding of jazz as it relates to American society and other styles of music. Offered in alternate years. (Three credits.)

250. Special Topics. (Three credits.)

252. String Techniques. A study of the techniques of playing the violin, viola, cello, and double bass for students preparing to teach music at the elementary or secondary level. Offered in alternate years. Prerequisite: Music 124 or consent of the instructor. (One credit.)

302. Form and Analysis. An examination of the significant formal structures in Western tonal music through various analytical

techniques. Offered in alternate years.
Prerequisite: Music 124. (Three credits.)

312. Teaching Music in the Elementary School. A study of music fundamentals, teaching skills, and teaching methods at different grade levels. Includes comprehensive coverage of music requirements for prospective elementary teachers with special emphasis on singing and functional piano technique. Offered in alternate years. (Three credits.)

313. Music Education I. A study of the teaching and administration of vocal music in secondary schools. Topics include the general music program, the changing voice, instructional problems, and materials for vocal ensembles. Offered in alternate years. Prerequisite: Music 124. (Three credits.)

321. History and Literature of Music I. A

study of music from the earliest times to 1750. Emphasizes works, styles, and formal and theoretical considerations. Includes an introduction to bibliographic materials and procedures for research in music. Offered in alternate years. Prerequisite: Music 124 or consent of the instructor. (Three credits.)

322. History and Literature of Music II. A study of music from 1750 to the present. Emphasizes works, styles, and formal and theoretical considerations. Includes continued study of bibliographic materials and procedures. Offered in alternate years. Prerequisite: Music 124 or consent of the instructor. (Three credits.)

420. Independent Study. Individual study of a topic of special interest directed by a member of the music faculty. May be repeated for credit. Prerequisite: Music 322 or consent of the instructor. (Three credits.)

PHILOSOPHY AND RELIGIOUS STUDIES

Chenyang Li, Associate Professor, Chair

Jeanette Sendry, Lecturer

Robert D. Haak, Lecturer

■ Philosophy and Religious Studies

Major. The Philosophy and Religious Studies Major can choose a concentration either in philosophy or in religious studies (see below). The course requirement consists of four core courses plus a concentration of six courses in either philosophy or religious studies. The core courses are Ethics: Philosophical and Religious (PHIL/RELG 207), Philosophy of Religion (PHIL/RELG 213), Classical and Medieval Philosophy (PHIL309), and Modern and Contemporary Philosophy (PHIL307). Philosophy and religious studies majors are urged to take courses beyond the general education requirements in ancient and modern languages: Greek, Latin, German, or French.

■ **Philosophy Concentration.** The concentration in philosophy consists of one required course in logic (PHIL 201), a senior project (PHIL 450), and four courses selected from the following: Philosophy of Education (PHIL 211), Philosophy of Science (PHIL 312), Philosophy and Religions of Asia (PHIL 300), Argumentation (SCTA 306), Aesthetics (PHIL 315), Poetics of the Self (PHIL 336), Political Philosophy from Plato to the Present (PHIL 411), special topics (PHIL 250 or 350), Environmental Ethics (PHIL and RELG 310), and individualized study (PHIL 320).

■ **Religious Studies Concentration.** The concentration in religious studies consists of

two required courses in the Bible (RELG 101 and 108), a senior project (RELG 450), and three course selected from the following: RELG200G Topics in the History of Christian Thought, Judaism (RELG 211), Islam (RELG 212), Politics of Islam (GOVT 244), Philosophy and Religions of Asia (RELG 300), special topics (RELG 250 or 350), Environmental Ethics (PHIL and RELG 310), Future of Religions (RELG 405), Cosmology and Creation (RELG 479), and individualized study (RELG 320).

■ Philosophy and Religious Studies

Minor. The minor in philosophy and religious studies consists of the four core courses, and RELG 200G Topics in the History of Christian Thought. Where applicable courses may also count for general education credit.

■ **Philosophy Minor.** A Philosophy minor consists of the following five courses. Critical Thinking: Introduction to Logic (PHIL201), Ethics (PHIL 207), Classical and Medieval Philosophy (PHIL 309G), Modern and Contemporary Philosophy (PHIL 307G), and either Introduction to Philosophy or Philosophy of Education (PHIL 101 or 211).

■ **Religious Studies Minor.** A Religious Studies minor consists of the following five courses: Introduction to Old Testament (RELG 101G), Introduction to New Testament (RELG 108), Philosophy and Religions of Asia (PHIL and RELG 300), Future of Religions (RELG 405), and Topics in the History of Christian Thought (RELG 200G).

PHILOSOPHY

101. Introduction to Philosophy. Many issues that we deal with in daily life are

ultimately philosophical issues. Philosophy is defined as "love of wisdom." What do people do in this field? This course will lead students to explore some fundamental philosophical questions. These questions include: What is reality? What is knowledge? How do we know anything? What is good? What is truth? What is beauty? What is the foundation of human morality? Is morality absolute or culture-relative? Does God exist? What is happiness? What is a person?, etc. Logical reasoning and argumentation will be strongly emphasized. Students will have opportunities to look into these issues and develop their own coherent views. No prior knowledge of philosophy is required. (Three credits.)

201. Critical Thinking: Introduction to Logic. A study of fundamental distinctions required for effective reasoning such as definition, truth, validity, deduction, induction, and fallacies. Application of procedures for testing the validity of arguments in concrete situations with a view to determining the central importance of logic for the sciences. (Three credits.)

207G. Ethics: Philosophical and Religious. An introduction to philosophical and religious ethics as distinct yet inter-related ways of thinking critically about human action. The conversation and conflict between ethical frameworks which center on either human autonomy or divine authority will be explored. Issues include whether there are moral facts, natural laws, absolute rules, divine commands, human rights, virtues and vices, conscience, freedom, determinism, accountability, and the challenges of moral relativism. Specific moral issues may include: sexual ethics, violence and peace, economic justice, environmental ethics, business ethics, race,

gender, etc. No prerequisites. (Also Religious Studies 207.) (Three credits.)

211. Philosophy of Education. The course will explore some of the following issues: What are education, learning, understanding, knowing, thinking, consciousness, the self, purpose, and creativity? How do these originate? What is teaching? Can scientific knowledge about learning and teaching improve education? How should teachers fulfill their role in the educational process? What are meaning and truth? How is education related to the good life? What do we mean by choice and control? Should teachers exert control over what students learn and how they learn? What is philosophy? What kinds of questions do philosophers raise and consider? How do philosophical assumptions about education affect how and what a teacher teaches? How does a radical behavioral philosophy of education differ from a more traditional philosophy of education? What are the implications of these conflicting philosophies for teachers? This course is designed for students entering the teaching profession. Prerequisite: Sophomore standing. (Three credits.)

213. Philosophy of Religions. How should one interpret, criticize, and appropriate religious claims to meaning, truth, and fulfillment? Focuses on symbols of evil and pardon in Hellenism, Judaism, and Christianity as interpreted by a contemporary psychologist, journalist, novelist, an ethicist, and two philosophers. St. Augustine and Paul Ricoeur's theories of evil and pardon will be applied to examples drawn from literature, music, and film. (Also Religious Studies 213.) (Three credits.)

250. Special Topics. (Three credits.)

300G. Philosophy and Religions of Asia.

An introduction to the origins, histories, thought, practices, and developments of the great religions and philosophies of Asia. The course will study some of the following: Hinduism, Buddhism, Confucianism, Shinto, Taoism, Zoroastrianism, Jainism, and Sikhism. Eastern philosophies will be explored in religious and cultural context. (Also Religious Studies 300.) (Three credits.)

306. Argumentation. An introduction to how logical arguments are structured and analyzed. Includes development of abilities in composing logically valid messages and avoiding fallacies. Emphasis is placed on what makes arguments strong and effective. Portions of the course will be devoted to how arguments are used in various fields (e.g., law, journalism, science, history, or politics.) Frequent in-class, written and oral practice will occur. Offered alternate years. Prerequisite: Communication and Theater Arts 101. (Also Communication and Theater Arts 335.) (Three credits.)

307G. Modern and Contemporary Philosophy. A basic introduction to early modern, Enlightenment, 19th century, and 20th century texts, figures, and movements in philosophy. The emphasis will be on understanding modern and contemporary philosophical works in their historical context. Different concepts of mind, body, doubt, certainty, experience, nature, science, religion, morality, history, society, language, technology, and the future will be explored over time. No prior knowledge of philosophy is presupposed. No Prerequisites. (Three credits.)

309G. Classical and Medieval Philosophy. A basic introduction to the classic texts, figures, and movements of philosophy. The

emphasis will be on understanding classic and medieval philosophical works in their historical context. Different concepts of reality, the cosmos, truth, knowledge, good, evil, justice, the will, and divinity will be explored over time. No prior knowledge of philosophy is presupposed. No prerequisites. (Three credits.)

310. Environmental Ethics. An examination of ecological problems caused by human activities and possible solutions, starting with a rethinking of the relationship between human beings and nature. From different perspectives, including non-western as well as western, the course will investigate various interrelated issues ranging from ethical to metaphysical, including: Do we have an obligation to natural objects? If there should be an environmental ethic, what kind of ethic should it be?, etc. Students will have opportunities to develop and express their own views on these issues. Prerequisite: Senior standing. Permission for non-seniors should be directed to the department chair. (Also RELG 310 and ISSI 410G.) (Three credits.)

312. Philosophy of Science. An investigation of the nature of scientific explanation, laws, theories, models, space and time, causality and indeterminism, the methodologies of the physical and social sciences, and the question of whether and how the rational growth of science is possible. No prior knowledge of philosophy is presupposed. No prerequisites. (Three credits.)

315G. Aesthetics. An examination of perennial questions concerning beauty in works of art and nature, the attribution of value, the relation of aesthetic judgment and imagination to cognition and moral duty, and

the impact of these matters on inquiries in related disciplines, i.e., linguistics, psychoanalysis, and religious studies. Prerequisite: Junior standing. (Three credits.)

320. Individualized Study. Directed research and writing in an area of special interest to the student. May be repeated for credit. (One to three credits.)

336. Poetics of the Self. An investigation of some questions that arise from an awareness of one's own self. The intent is to place the question "Who am I?" into a critically manageable context. Emphasizes discovery of the self and various strategies for making sense of who one is. Particular emphasis on love and on the need for models (plots, paradigms, myths) in defining our existence. Prerequisite: Senior standing. (Also Issues and Ideas 436.) (Three credits.)

350. Special Topics. (One to three credits.)

411. Political Philosophy from Plato to the Present. A historical survey and philosophical analysis of political theory from ancient Greece to the present. Includes works by Plato, Aristotle, Machiavelli, Hobbes, Locke, Rousseau, Marx, and Mill. (Also Government 411 and Issues and Ideas 435.) (Three credits.)

450. Senior Project. A thorough examination of a topic in philosophical and/or religious perspectives and the composition of an extended essay involving in-depth research and analysis and/or synthesis under the individualized direction of a faculty member, or in a seminar. Required for majors in the philosophy concentration as the culminating experience of their program of study, and open only to senior majors. (Three credits.)

RELIGIOUS STUDIES

101G. Introduction to the Old Testament.

Focuses on the book of Genesis in recent discussion. Genesis will be read from the perspective of both Jewish and Christian interpreters. Bill Moyers' recent PBS series brought together Jewish, Christian, and Islamic scholars to discuss Genesis with psychologists, artists, and preachers. This series plus other theological, historical, literary, psychological, and feminist interpretations will be explored in class discussion and student research. No prerequisites. (Three credits.)

103G. Friends, Neighbors, Lovers, and Enemies. What does it mean to be a "friend"? Who is my "neighbor"? What does "love" have to do with sexuality, romance, and marriage? How should one relate to "enemies"? Everyone encounters these questions in life, and they are central to the ethical concerns of Jews, Christians, and Muslims. This course will explore the intersections between our relationships and communities of faith in God. Topics will include the character of friendship, our ethical obligations to other persons, sexual ethics, and issues of conflict and violence. These topics will be explored in relation to the ethical teachings and practices of traditions centered in the worship of God as Creator, Redeemer, and Judge of all. No prerequisites. (Three credits.)

108. Introduction to the New Testament.

A study of first-century Christian literature in its historical and cultural contexts. The course will focus on reading the New Testament in translation. The secondary focus is on the historical Jesus, Paul's epistles, and the Jewish framework of early Christian faith and practice in Hellenic-

Roman culture. No prior knowledge of the New Testament, Judaism, or Christianity is required. (Three credits.)

200G. Topics in the History of Christian Thought.

Introduction to the history of Christian thought in one of the following periods: (1) early Christianity through Medieval focuses on the origins and development of basic church teachings in figures like Augustine, Anselm, Aquinas, Julian of Norwich, and others; (2) the reformation era focuses on Luther, Calvin, Menno Simons, and others who sought to reform the Catholic Church or guide Protestant movements; (3) early modern to postmodern focuses on challenges to the authority of Christianity from a variety of intellectual sources and the variety of Christian responses to modern culture. Students can repeat this course of different periods for credit. No prerequisites. (Three credits.)

207G. Ethics: Philosophical and Religious.

An introduction to philosophical and religious ethics as distinct yet interrelated ways of thinking critically about human action. The conversation and conflict between ethical frameworks which center on either human autonomy or divine authority will be explored. Issues include whether there are moral facts, natural laws, absolute rules, divine commands, human rights, virtues and vices, conscience, freedom, determinism, accountability, and the challenges of moral relativism. Specific moral issues may include sexual ethics, violence and peace, economic justice, environmental ethics, business ethics, race, gender, etc. No prerequisites. (Also Philosophy 207.) (Three credits.)

210G. Judaism and Islam. A study of the origins, history, rituals, sacred writings,

beliefs, practices, and modern developments among the peoples called "Judaists" and "Muslims." Special attention is given to understanding similarities and differences between Judaism, Christianity, and Islam as monotheistic traditions which all trace their roots to Abraham and Sarah. The topic will alternate between Judaism and Islam. No prerequisites. (Three credits.)

211G. Introduction to Judaism. A study of the origins, history, rituals, scriptures, practices, philosophy, and modern/postmodern developments among observant Jews. Attention is given to understanding both the similarities and differences between Judaism and Christianity as monotheistic traditions which trace their roots to the covenant made with Abraham and Sarah. No prerequisites. (Three credits.)

212G. Introduction to Islam. A study of the origins, history, rituals, scriptures, practices, philosophy, and modern/postmodern developments among observant Jews. Attention is given to understanding both the similarities and differences between Judaism and Christianity as monotheistic traditions which trace their roots to the covenant made with Abraham and Sarah. No prerequisites. (Three credits.)

213. Philosophy of Religions. How should one interpret, criticize, and appropriate religious claims to meaning, truth, and fulfillment? Focuses on symbols of evil and pardon in Hellenism, Judaism, and Christianity as interpreted by a contemporary psychologist, journalist, novelist, an ethicist, and two philosophers. St. Augustine and Paul Ricoeur's theories of evil and pardon will be applied to examples drawn from literature, music, and film. No prerequisites. (Also Philosophy 213.) (Three credits.)

244G. The Politics of Islam. Examines different forms of Islamic revivalism as well as the basic political tenets of Islam. Puts current trends in historical perspective. (Also Government 244 and Issues and Ideas 444.) (Three credits.)

250. Special Topics. (One to three credits.)

300G. Philosophy and Religions of Asia. An introduction to the origins, histories, thought, practices, and developments of the great religions and philosophies of Asia. The course will study some of the following: Hinduism, Buddhism, Confucianism, Shinto, Taoism, Zoroastrianism, Jainism, and Sikhism. Eastern philosophies will be explored in religious and cultural context. No prerequisites. (Also Philosophy 300.) (Three credits.)

302G. History of the Middle East. A study of the tensions between tradition and modernity in the area, with emphasis on Islamic movements. This history of Arabic, Turkic, and Iranian peoples; the period of Ottoman rule; the impact of Western imperialism; and Zionist nationalism are examined. Attention is given to Soviet-American activities in the area and their relation to the political dynamics of the region. (Also History 302.) (Three credits.)

303G. History of India and South Asia. Emphasizes the Hindu and Muslim periods, the impact of British colonialism, the 20th-century Nationalist movement, and the emergence of Pakistan. Attention is given to modern Hindu, Muslim, and Sikh religious-political movements. The efforts to institutionalize a secular democratic polity in India and to define an Islamic polity in Pakistan are considered. (Also History 303.) (Three credits.)

310. Environmental Ethics. An examination of ecological problems caused by human activities and possible solutions, starting with a rethinking of the relationship between human beings and nature. From different perspectives, including non-western as well as western, the course will investigate various interrelated issues ranging from ethical to metaphysical, including: Do we have an obligation to natural objects? If there should be an environmental ethic, what kind of ethic should it be?, etc. Students will have opportunities to develop and express their own views on these issues. Prerequisite: Senior standing. Permission for non-seniors should be directed to the department chair. (Also PHIL 310 and ISSI 410G.) (Three credits.)

320. Individualized Study. Directed research and writing in an area of special interest to the student. May be repeated for credit. (One to three credits.)

350. Special Topics. (One to three credits.)

405. The Future of Religions in the Twenty-First Century. An inquiry into the future of Judaism, Christianity, Islam, Hinduism, Buddhism, Confucianism, and other religions in the next century. The impact of modernity and secularization on religions in the twentieth century will be discussed. Possibilities for the renewal of religious life in our "postmodern age" will be explored. Also ISSI 405G. (Three credits.)

450. Senior Project. A thorough examination of a topic in philosophical and/or religious perspectives and the composition of an extended essay involving in-depth research and analysis and/or synthesis under the individualized direction of a faculty member, or in a seminar.

Required for majors in the religious studies concentration as the culminating experience of their program of study, and open only to senior majors. (Three credits.)

479. Cosmology and Creation. An investigation, from Western and Eastern points of view, of the origin of the universe and our place in it, this course raises issues that confront most thinking people at some point in their lives. It will examine differing view points, such as myth and truth, creation and evolution, science and religion and critically study the contributions of scientists—both physical and biological, philosophers—ancient and modern, and theologians—traditional and non-traditional, and notice where these scholars interrelate and where they part company. (Also ISSI 479.) (Three credits.)

ISSUES AND IDEAS

ISSI 405. The Future of Religions in the Twenty-First Century. An inquiry into the future of Judaism, Christianity, Islam, Hinduism, Buddhism, Confucianism, and other religions in the next century. The impact of modernity and secularization on religions in the twentieth century will be discussed. Possibilities for the renewal of religious life in our “postmodern age” will be explored. Also RELG 405. (Three credits.)

ISSI 410. Environmental Ethics. An examination of ecological problems caused by human activities and possible solutions, starting with a rethinking of the relationship between human beings and nature. From different perspectives, including non-western as well as western, the course will investigate various interrelated issues ranging from ethical to metaphysical, including: Do we have an obligation to natural objects? If

there should be an environmental ethic, what kind of ethic should it be?, etc. Students will have opportunities to develop and express their own views on these issues. Prerequisite: Senior standing. Permission for non-seniors should be directed to the department chair. (Also PHIL and RELG 310.) (Three credits.)

ISSI 436. Poetics of the Self. An investigation of some questions that arise from an awareness of one's own self. The intent is to place the question “Who am I?” into a critically manageable context. Emphasizes discovery of the self and various strategies for making sense of who one is. Particular emphasis on love and on the need for models (plots, paradigms, myths) in defining our existence. Prerequisite: Senior standing. (Also Philosophy 336.) (Three credits.)

ISSI 479. Cosmology and Creation. An investigation, from Western and Eastern points of view, of the origin of the universe and our place in it, this course raises issues that confront most thinking people at some point in their lives. It will examine differing view points, such as myth and truth, creation and evolution, science and religion and critically study the contributions of scientists—both physical and biological, philosophers—ancient and modern, and theologians—traditional and non-traditional, and notice where these scholars interrelate and where they part company. (Also RELG 479.) (Three credits.)

PHYSICAL EDUCATION

Terry L. Glasgow, Professor, Chair
Roger D. Haynes, Lecturer
R. Kelly Kane, Instructor
Sean Monteyne, Instructor
H. Michael Olson, Jr., Instructor
Kari L. Shimmin, Instructor

■ **Physical Education Major** (without teacher certification). Each student majoring in physical education but not seeking teacher certification must complete Physical Education 110; 131; 180; 190; 210; 211; 212; 220; one course chosen from Physical Education 315 or 423; one course chosen from 316, 317, 318, or 319; 421; 430; and 450.

■ **Teacher Certification.** A major field teacher preparation program requires Physical Education 180; 190; 210; 211; 212; 220; 315; one course chosen from Physical Education 316, 317, 318, or 319; 325; 421; 423; 425; and 430. Students who complete this program and satisfy additional certification requirements as described in the Education Department section of the catalog qualify for the special K-12 certificate. Those who seek only high school certification should refer to the Education Department section of the catalog on secondary education.

Students with teaching majors in other content areas may select physical education as a second teaching field. Such students must complete Physical Education 210, 211, 212, 311, 315, 320, 420 (one semester hour), 423, and 430. Students who wish to be certified to teach physical education should refer to the education department section of the catalog.

BASIC-SKILL COURSES

Each basic-skill course carries one credit, and a maximum of six credits in basic skills may be counted toward the degree. Credit for a particular course will be granted only once.

101. Fundamentals of Basketball.

CR/NC. (One credit.)

102. Fundamentals of Volleyball.

CR/NC. (One credit.)

105. Wrestling. CR/NC. (One credit.)

110. Physical Fitness. CR/NC. (One credit.)

111. Weight Training. CR/NC. (One credit.)

122. Beginning Golf. CR/NC. (One credit.)

123. Beginning Tennis. CR/NC. (One credit.)

131. Swimming. CR/NC. (One credit.)

132. Handball. CR/NC. (One credit.)

133. Racquetball. CR/NC. (One credit.)

134. Archery. CR/NC. (One credit.)

136. Badminton. CR/NC. (One credit.)

PHYSICAL EDUCATION COURSES

Please note specific courses are offered on alternate years.

180. Personal and Community Health. An examination of personal and community health problems and information concerning personal, family, and community health for

prospective teachers of health. (Three credits.)

190. Foundations of Physical Education.

An introduction to the profession emphasizing its history, principles, objectives, programs, and opportunities. Non-majors need permission from department chair to enroll. (Three credits.)

210. Individual Sports. An analysis of the skills necessary to perform and teach selected individual sports. The student must demonstrate proficiency in each of the individual sports. (Three credits.)

211. Team Sports. An analysis of the skills, tactics, and strategies involved in basketball, volleyball, soccer, and softball with special emphasis on teaching the skill progressions in the respective sports. (Three credits.)

212. Rhythmic Activities. A study of the fundamentals of rhythms and of social, folk, and square dance. Emphasizes analysis of the skills and techniques of these rhythmic activities with special attention to methods of teaching them. (Two credits.)

220. Physical Fitness Concepts. A study of the role and value of physical fitness and exercise in the development of healthy bodies. Includes coverage of bodily responses to exercise, training principles, physical fitness evaluation techniques, and exercise program development. Participation in strenuous fitness activities is included. (Two credits.)

250. Special Topics. (One to three credits.)

311. Elementary School Physical

Education. A study of the development of the physical education programs in the

elementary grades. Emphasizes application of motor development principles to program content and methods of teaching physical education in the elementary school. (Three credits.)

315. Kinesiology. An analysis of the mechanics and anatomy of human motion. *Suggested prerequisite:* Biology 204. (Three credits.)

316. Coaching of Volleyball and Softball.

A study of the methods and techniques of coaching volleyball and softball. Emphasizes analysis of skills, team formation, and strategy. Non-majors must have permission of the department chair to enroll. (Three credits.)

317. Coaching of Football. A study of the methods and techniques of coaching football. Offered in alternate years. *Prerequisite:* Non-majors must have permission of the department chair to enroll. (Three credits.)

318. Coaching of Basketball. A study of the methods and techniques of coaching basketball. Offered in alternate years. *Prerequisite:* Non-majors must have permission of the department chair to enroll. (Three credits.)

319. Coaching of Baseball and Track. A study of the methods and techniques of coaching baseball and track and field. Offered in alternate years. *Prerequisite:* Non-majors must have permission of the department chair to enroll. (Three credits.)

320. Curriculum and Methods of High School Physical Education. A study of the methods of teaching physical education in secondary schools. Open only to teacher

education candidates in physical education in secondary schools. May not be counted toward a major in physical education. (Also Education 320.) (Three credits.)

325. Athletic Training and First Aid. A study of athletic injuries and first aid emphasizing safety and precautionary techniques in athletics, physiological conditioning, diet, taping and bandaging, treatment, and rehabilitation. (Two credits.)

420. Independent Study. Developed with the guidance of the department chair. Arrangements must be made with the chair before a student may enroll. (One to three credits.)

421. Organization and Administration. A study of the administration of physical education, intramural, and athletic programs. Coverage also includes administrative theory and functions. (Three credits.)

423. Physiology of Exercise. A study of functional responses of the human body during movement with special attention to

the elementary physiological principles underlying exercise and training. (Three credits.)

425. Tests and Measurements in Physical Education. A study of tests and measurements used in physical education. Emphasizes the administration of tests and grading procedures. Open only to teacher education candidates in physical education. (Three credits.)

430. Adapted Physical Education. A study of physical education for the atypical student. Emphasis is on the study of various handicapping conditions and the role of exercise for those conditions. Open only to teacher education candidates in physical education. (Three credits.)

450. Problems in Physical Education. May include projects, internships, individual study, and other forms of independent study. Designed as the culminating experience for majors not seeking teaching certification. Prerequisites: Senior standing and approval of the department chair. (Three credits.)

PHYSICS

Rajkumar Ambrose, Professor, Chair
Christopher G. Fasano, Assistant Professor
Steve X. Shen, Lecturer

■ **Physics Major.** The department major includes seven or more courses, no fewer than 28 semester hours, approved by the department. At least two courses must be at or above the 300 level and the student must complete the prerequisite mathematics courses (typically the calculus sequence through differential equations). Unless prior study or experience persuades the department to the contrary, students should expect to include Physics 130, 132, 134, 208, 210, 302, and 303 in their program. All juniors and seniors are expected to participate in the science seminar (Physics 350). Seniors must complete an independent study project.

■ **Physics Minor.** The department minor requires five courses: Physics 130 and 132, two courses numbered above 200, and one course numbered above 300. The Physics 134 or 190 course may be substituted for a 200 level course.

■ **Teacher Certification.** A physics major can prepare for secondary level certification by completing the major cited above and by adding the requirements described in the Education Department section of the catalog including Education 342. Physics majors should complete at least 8 semester hours in biology to qualify to teach general science.

103G. Astronomy. An introduction to the study of our universe—its structures and their origin and evolution. Topics include the earth, the moon, planets and stars and how they affect our lives. Simple laboratory experiments

and telescopic observation are part of the course. (Four credits.)

130G. Introductory Physics I. Topics in classical mechanics, including kinematics, Newton's laws, work-energy principles, momentum and impulse, and rotational motion. Some differential calculus is used. Corequisite: Mathematics 151. (Four credits.)

132G. Introductory Physics II. Continuation of Physics 130. Topics include thermodynamics, electricity and magnetism, oscillatory motion, and waves. Differential and integral calculus used freely. Corequisite: Mathematics 152. (Four credits.)

134. Introductory Physics III. Continuation of Physics 132. Topics include physical optics, special relativity, and introductory quantum physics. (Three credits.)

190. Digital Electronics for Computer Science. An introduction to digital circuit design, both combinational and sequential, and their application in constructing digital instruments. Includes microprocessor and elementary assembly language. There is a strong laboratory component to this course. (Also Computer Science 190.) (Four credits.)

208. Classical Mechanics. An introduction to the study of particles and systems under the action of various types of forces. Includes harmonic oscillator, central force and Lagrangian formulation. This course makes elegant use of mathematical techniques in solving physical problems. Prerequisites: Mathematics 254 and Physics 132. (Three credits.)

210. Circuit Analysis. Introduction to the techniques of analyzing resistive, capacitive, and inductive circuits. Topics include

Kirchoff's rules, Thevenin's theorem, node-voltage method, mesh-current method, properties of RL, RC, and RLC circuits. Offered in alternate years. Prerequisite: Physics 132. (Four credits.)

211. Analog Electronics. Topics include high and low pass filters, differentiators, integrators, detailed study of transistor circuits, operational amplifiers, comparators, Schmitt triggers, and oscillator circuits. There is a strong laboratory component to this course. Offered in alternate years. Prerequisite: Physics 132 or consent of the instructor. (Four credits.)

212. Optics. A study of geometrical and physical optics. Topics include optical instruments, interference, diffraction, dispersion, and topics in modern optics. Offered in alternate years. Prerequisites: Mathematics 254 and Physics 132 or consent of the instructor. (Four credits.)

250. Special Topics. (One to three credits.)

302. Quantum Mechanics and Atomic Physics. A study of atomic and molecular structure, integrated with an introduction to quantum mechanics. Topics include evidence for the atomic structure of matter, analysis of absorption and emission spectra, properties of the nonrelativistic Schrodinger equation, and its single-particle solutions for various force laws. Prerequisites: Mathematics 254 and Physics 208. (Four credits.)

303. Electricity and Magnetism. A detailed introduction to the principles of electrodynamics. Topics include electrostatics and magnetostatics, both in vacuum and matter, and the development of Maxwell's equations to study electromagnetic fields. Prerequisites: Mathematics 254 and Physics 132. (Three credits.)

312. Quantum Mechanics II. Further development of the mathematical methods of quantum mechanics. Three-dimensional many-body problems are considered in greater detail. Topics include matrix formulation, perturbations, and introductory relativistic quantum mechanics. Prerequisite: Physics 302. (Three credits.)

325. Solid-State Physics. An introduction to solid-state physics, including crystal structure and the thermal, dielectric, and magnetic properties of solids. Topics include band theory and semiconductors, phonons, and superconductivity. Offered in alternate years. Prerequisite: Physics 302. (Four credits.)

350. Science Seminar. An introduction to the literature of the physical sciences providing the student with the opportunity to prepare and present reports. Required of juniors and seniors majoring in chemistry, geology, and physics. Other students are invited to participate. May be repeated up to four credits. CR/NC. (One credit.)

356. Statistical Physics. An introduction to thermodynamics and statistical mechanics. Topics include entropy and temperature, Boltzmann distribution, chemical potential and the Gibbs distribution and Fermi and Bose gases. Offered in alternate years. Prerequisite: Physics 134 or consent of instructor. (Three credits.)

401. Senior Seminar. Special topics in physics. Prerequisites: Physics 210, 211 or 212, 303, and 325 or 356. (Three credits.)

420. Independent Study. An individual project in theoretical or experimental physics chosen by the student in consultation with the physics faculty. Prerequisites: Physics 208, 210, 302, and 303. (Four credits.)

POLITICAL ECONOMY AND COMMERCE

Michael L. Connell, Associate Professor,
Chair

J. Rodney Lemon, Professor
Frank Gersich, Associate Professor
Richard Johnston, Assistant Professor
Judy Peterson, Assistant Professor
Jaclyn Rundle, Assistant Professor
John Byrne, Lecturer

The department of political economy and commerce offers three majors, namely, accounting, business administration, and economics; a minor in business; and the opportunity to take advanced courses in management, finance, marketing, international business, and public management.

The department's focus, and hence its name, is a general approach to economic and commercial activity. The department emphasizes the study of business as concrete social and historical phenomena. An emphasis is also placed on the relationship between commercial activity and the social context which it creates and which influences it, and on the consequences of commercial and economic development in the modern world.

The department curriculum focuses upon how society is organized to produce goods and services. It is through this broader, more historical approach that the student gains a realistic perspective of modern business and the competitive global environment. The student gains the values, the principles, and the insight to weigh short-term versus longer-term profit, to weigh technical versus fundamental analyses.

Business majors are required to take courses in finance, accounting, quantitative analysis, marketing, and management. Economics majors study the major areas of

economic theory and econometrics.

Accounting majors study a complete series of accounting theory. Yet, rather than the simple acquisition of technical skills, majors are also required to take courses which place these issues in a historical and institutional context; thus, the student learns to understand why the issues and techniques are important.

ECONOMICS

■ **Economics Major.** The major program in economics consists of Economics 200; 300; 301; 371; 401; three courses chosen from Economics 310, 311, 320, 331, 340, 351, 360, 361, 370, 380, 402, or 420; and Mathematics 106. Students planning on graduate study in economics are encouraged to complete a minor in mathematics or gain mastery of calculus.

■ **Economics Minor.** The following courses are required for the minor: Economics 200, 300, 301, and three courses chosen from Economics at the 300 or 400 level.

120G. Contemporary Economic Problems. Interpretation and analysis of recent economic events, problems, and policy issues based upon economic principles. (Three credits.)

200G. Principles of Economics. Basic principles and processes in micro- and macro-economics are surveyed; production, market structures, consumption patterns, role of competition and prices; determinants of national income, employment, inflation, and exchange values and role of monetary and fiscal policy. (Four credits.)

300. Intermediate Price Theory. A rigorous analysis of the modern micro-economic theory of the behavior of the firm and the

individual. Prerequisite: Economics 200. (Three credits.)

301. Intermediate Macro-economics. A detailed examination of the elements that determine the level of national income. Includes analysis of government fiscal and monetary policies. Prerequisite: Economics 200. (Three credits.)

310. Regulation and Legislation. Analyzes the forces leading to government regulation, the consequences of such regulation, detailed examination of several regulated industries and environmental policies. Prerequisite: Economics 200. (Three credits.)

311. Labor, Unions, and Industrialization. An introduction to the institutional aspects of the American labor force and its organization, wage and employment theory, the economic role of collective bargaining, and the basic ingredients of public policy toward labor organizations. Prerequisite: Economics 200. (Three credits.)

320. Industrial Organization. Analysis of the firm and market structure, conduct, and performance. How market structure affects the conduct of firms, and how both structure and conduct affects firm and market performance. Special emphasis is placed on the relevance of this body of knowledge to the individual business. (Three credits.)

331. Political Economy of Development. A study of contemporary theories of the development of industrial societies which stresses the relationships among various social institutions within the society and among different nations. Prerequisites: Junior standing or permission of the instructor. Offered in alternate years. (Three credits.)

340. Economics and Law. Microeconomic examination of the social consequences of alternative legal rules including property rights, contract rights, tort liability rules and criminal law. Prerequisites: Economics 200. (Three credits)

351G. Comparative Economic Systems. An analysis of the significant similarities and differences in the development, structure, operation, and policies of market-directed, controlled, and mixed economies—with special attention to significant characteristics in economies evolving in non-Western societies. Prerequisite: Economics 200. (Three credits.)

360. International Trade and Finance. An analysis of the forces affecting, as well as the theory and policy of, international trade and finance. The international monetary system, balance of payments, tariff policies, trade practices, and trade organizations will be emphasized—as well as consequences for individual firms, multinational corporations, and government-owned firms. Prerequisite: Economics 200. (Three credits.)

361. History of Economic Thought. An examination of major contributions to thought and their significance for modern theory. Prerequisite: Economics 200. (Three credits.)

370. Public Finance. An examination of the theory and practice of government expenditure, revenue, and debt; the problems of integrating these into a meaningful fiscal policy; and their effect on the distribution of income. Prerequisite: Economics 200. (Three credits.)

371. Introduction to Econometrics. Single equation linear statistical models, estimation

and hypothesis testing; serial correlation, heteroscedasticity; errors in variables; introduction to simultaneous equation models. Emphasis on interpretation and application of econometric models and methods. Offered in alternate years. (Three credits.)

380. Environmental Economics. Micro-economic analysis of environmental issues. Examines the environmental consequences of alternative forms of resource ownership and allocation methods. Prerequisites: Economics 200. (Three credits)

401. Economic Research Analysis. A capstone study for senior majors in which students choose a topic of inquiry, formulate hypotheses, review the literature, and empirically test their hypotheses and update the literature. (Three credits.)

402. Selective Seminars in Economics. Topics include regional and urban economics, economic development, mathematical economics, and advanced monetary policy. May be repeated for credit. (Three credits.)

420. Independent Study. May be repeated for credit. (One to three credits.)

BUSINESS ADMINISTRATION

■ **Business Administration Major.** The following courses are required for the major: Accounting 213 and 214; Business Administration 110, 111, 211, 212, 305, 306, 307, and 405 or 406; and Economics 200 and 300 or 301; Mathematics 106; and three additional 300+ level courses from the offerings in business administration and economics. Students are encouraged, but not required, to enroll in advanced writing or communication courses. Students planning to

gain an MBA are encouraged to enroll in Calculus.

A student must earn at least a C- in all prerequisites before taking a required course.

■ **Business Administration Minor.** The following courses are required for the minor: Accounting 213 and 214; Business Administration 110 and 211; Economics 200; and two courses chosen from Business Administration 305, 306, or 307.

■ **Honors Program in Business.** By invitation and application, students prior to the Spring semester of their Junior year are selected for an honors program of participation, research, and presentation on contemporary management and economic policy issues. This program involves a sequence of one-credit courses offered each of the student's last three semesters at Monmouth.

110G. Evolution of Commercial Institutions. A survey and analysis of the historical development of the social institutions within which commercial activities occur from human prehistory through modern industrial societies. (Three credits.)

111G. Beverages; 112G. Agriculture; 113G. Financial Institutions; and 114G.

Railroads. Examination of the development of a given market or industry with emphasis on the characteristics of the major firms and customers that determine the industry's present structure and that reveal phenomena often encountered in business life. (Three credits.)

211. Quantitative Methods I. An introduction to decision analysis using spreadsheets and data management techniques, data analysis, and hypothesis

testing of multivariate data through inferential statistics. Prerequisite: Mathematics 106. (Two credits.)

212. Quantitative Methods II. An introduction to design analysis using probabilistic and classical operations research techniques and through survey design and testing. Prerequisite: Business 211. (Two credits.)

305. Administration and Organization. An examination of the modern enterprise from the perspective of its internal operations and the theory and practice of management. Prerequisites: Accounting 213, Business Administration 110 and 212, and Business Administration 111 or Economics 200. (Three credits.)

306. Business Finance. An introduction to the principles of financing business, integrated with a study of institutional finance. Covers current topics of managerial finance, including capital management, the management of working capital, capital budgeting, the acquisition of funds, and stock and bond valuation. Prerequisite: Accounting 213. (Three credits.)

307. Principles of Marketing. A basic study of the ways in which businesses determine consumers' needs and direct the flow of goods and services. Case analyses are used to develop students' problem-solving abilities. Prerequisite: Economics 200. (Three credits.)

322. Business Law I. An introduction to the history, structure, and procedure of the American legal system and the legal environment of business. (Three credits.)

325. Innovation and Change in Organizations. A study of the processes

through which organizations change over time and the problems created by both intended and unintended changes. (Three credits.)

335. Mergers and Acquisitions. Examination of the financial, economic, organizational, and public policy considerations faced by firms making acquisitions or entering into mergers under the assumption that decisions in this area are influenced by financial, economic, and organizational analyses of the plan to determine profitability and a public policy analysis to determine legality. (Three credits.)

345. Globalization and Organization Change. Study of multinational business. Emphasis on how corporations have adjusted to and influenced trends to increased globalization. Distinctions are drawn between international and domestic business operations. (Three credits.)

350. Special Topics in Business Administration. May be repeated for credit. (Three credits.)

355. History of Managerial Thought. A study of various authors who have addressed the issue of organizing and administering human activities in relationship to other aspects of social thought. Prerequisites: Junior standing, Business Administration 110 and 305, or permission of the instructor. Offered in alternate years. (Three credits.)

356. Investments and Portfolio Analysis. An introduction to security markets, security instruments, and speculation opportunities with an emphasis in practical investing. Emphasizes portfolio management. Prerequisite: Business Finance 306. (Three credits.)

357. Marketing Management. A study of the roles played by pricing, promotion, product mix, and distribution strategies in achieving management goals. Includes extensive participation in a game simulating marketing-management situations and requiring team cooperation and the development of analytical skills. Prerequisite: Business Administration 307. (Three credits.)

367. Advertising. A study of a variety of mass promotion variables and techniques. Using an advertising campaign approach, students study both the strategy and tactics of advertising and integrate the concepts of promotion into a full advertising campaign. Prerequisite: Business Administration 307. (Three credits.)

375. Leadership and Politics in Organizations. A study of the relationship among leadership, politics, and authority in the creation, organization, and administration of the enterprise. Prerequisites: Junior standing; Business Administration 305, 306, and 307; Economics 300 or 301; or permission of the instructor. Offered in alternate years. (Three credits.)

382. Business Law II. A further study of business law tailored for the CPA. Includes study of trusts, estates, and property law and includes an introduction to the Uniform Commercial Code. Other topics include bankruptcy and insurance law. Prerequisite: Business Administration 322. (Three credits.)

383. Accounting Information Systems. Study of the fundamentals of accounting system design including an analysis of accounting applications within functional areas of a firm, hardware and software applications, and the control of computerized accounting systems. Offered alternate years. Prerequisites: Accounting 214 and Business 212. (Also

Accounting 383.) (Three credits.)

400. Internship. An off-campus experience working in a professional managerial environment under the supervision of a mentor. Permission of instructor required. (Three credits.)

404. Seminars in Business. Includes such topics as operations/production management, marketing channels and futures markets, and human relations. (Three credits.)

405. Strategy and Structure. A study of the modern enterprise which focuses on the formulation and implementation of its strategy with particular attention to the relationship between the strategy and the larger society in which the enterprise operates. Prerequisites: Senior standing; Business 305, 306, 307, and Economics 300 or 301; or permission of the instructor. (Three credits.)

406. Applied Business Strategy. Individually designed and structured problem-solving experience involving students working under faculty supervision with available (usually area) businesses (primarily small businesses) to develop and apply elements of sound business strategy. Prerequisites: Business 305, 306, 307, and Economics 300 or 301. (Three credits.)

410. Political Economy and Commerce Honors I. Participation in a joint student/faculty discussion of contemporary accounting management or economic policy issues using political economy methodology and analysis. Spring semester of junior year. Permission of instructor required. (One credit.)

411. Political Economy and Commerce Honors II. Research on contemporary accounting management or economic policy

issue using political economy methodology and analysis. Fall semester of senior year. (One credit.)

412. Political Economy and Commerce

Honors III. Leadership and presentation in joint student/faculty discussion of contemporary management or economic policy issues using political economy methodology and analysis. Spring semester of senior year. (One credit.)

420. Independent Study. May be repeated for credit. (One to three credits.)

ACCOUNTING

The objective of the accounting program is to provide students with the ability to gain mastery of accounting principles and procedures. After an external review course, graduates do sit for and pass the Certified Public Accounting or Certified Managerial Accountant examinations.

■ **Accounting Major.** The following courses are required for a major in accounting: Accounting 213, 214, 304, 353, 354, 363, 374, and 403; Business Administration 110, 211, 212, 305 or 307, 306, and 322; Economics 200; and Mathematics 106.

■ **Accounting Minor.** The following courses are required for the minor in accounting: Accounting 213, 214, 304, 353, Business 322, and Economics 200 and one course from the following: Accounting 354, 363, 373, 374, or 383.

213. Financial Accounting. Introduction to financial accounting; the communication of relevant information to external parties. Includes the development of the accounting model, internal control, measurement

processes, data classification and terminology, and the interpretation and use of financial statements. Prerequisite: Credit or registration in Business 211. (Three credits.)

214. Managerial Accounting. Introduction to managerial accounting. Includes the fundamentals of cost-volume-profit analysis, product costing, management reporting, and information for decision making. Also introduces budgets and standards for planning, control, and performance measurement. Prerequisite: Accounting 213. (Three credits.)

304. Accounting for Decision Making and Control. A study of the accounting concepts and quantitative methods (including cost accounting, cost-volume-profit, budgeting and performance evaluation) used to develop, analyze, and interpret accounting information for management decision making. Prerequisite: Accounting 214. (Three credits.)

353. Intermediate Accounting I. An in-depth analysis of the financial accounting process, focusing on the income statement, balance sheet, and asset accounts. Prerequisite: Accounting 214. (Four credits.)

354. Intermediate Accounting II. Continued in-depth analysis of the financial accounting process, focusing on the statement of change in financial position, and liability and shareholder equity accounts. Prerequisite: A grade of C or better in Accounting 353. (Three credits.)

363. Tax Accounting. Introduction to federal tax code provisions that affect individuals, partnerships, corporations, and trusts and reasons behind these laws. Prerequisite: Accounting 214. (Three credits.)

373. Advanced Accounting. Study of accounting principles and procedures related to special entities: multicorporate entities, governmental units, partnerships, and foreign transactions. Emphasis is on business combinations. Prerequisite: Accounting 354. (Three credits.)

374. Auditing. Examination of the standards, objectives, and procedures involved in the review of financial statements by independent auditors. Included is the evaluation of internal control. Prerequisites: Senior standing and Accounting 353. (Three credits.)

383. Accounting Information Systems. Study of the fundamentals of accounting

system design including an analysis of accounting applications within functional areas of a firm, hardware and software applications, and the control of computerized accounting systems. Offered alternate years. Prerequisites: Accounting 214 and Business 212. (Also Business Administration 383.) (Three credits.)

403. Contemporary Accounting Issues. The capstone course. Analysis of current FASB issues and professional accounting literature. Prerequisites: Senior standing and major in accounting. (Three credits)

420. Independent Study. May be repeated for credit. (One to three credits.)

PSYCHOLOGY

Nancy A. Lariviere, Associate Professor,
Chair

William M. Hastings, Professor

Andrew S. Becker, Assistant Professor

PSYCHOLOGY MAJOR

A major in psychology can be achieved by either of two courses of study:

■ **Preprofessional Emphasis.** The major in psychology with the preprofessional emphasis is most appropriate for those who wish to continue their study beyond the undergraduate level in psychology or some other science. It consists of the following Psychology courses: 101, 201, 202, 420, either 320 or 327, either 231 or 233, either 315 or 318, plus at least one more Psychology course. In addition, the preprofessional emphasis requires either Mathematics 151 or Computer Science 125, plus at least two more science courses from Biology, Chemistry, or Physics which must be approved by the Psychology Department. In addition the major must pass a senior comprehensive examination administered by the department.

■ **General Psychology Emphasis.** Those expecting to use their psychology major in business, education, or human services without postgraduate study may wish a more general psychology program. The major in psychology with a general emphasis requires the following Psychology courses: 101, 201, 202, 420, either 335 or 340, 231 or 233, 315 or 318 and at least one more Psychology course. Three additional courses from outside psychology to be approved by the Psychology Department are also required for the major. In addition the major must pass a senior

comprehensive examination administered by the department.

■ **Teacher Certification.** The candidate seeking secondary level teacher certification must complete the general emphasis described above, with electives selected as related to teaching needs. In addition the requirements for certification cited in the Education Department section of the catalog must be completed. A second teaching field in the social sciences is recommended.

PSYCHOLOGY MINOR

A minor in psychology consists of at least five courses in psychology including Psychology 101 and Psychology 201. A grade of C- or higher is necessary in all courses applied to the minor.

101G. Introduction to Psychology. An examination of the scientific study of psychology. Lecture sessions emphasize current concepts in the biological roots of behavior, learning, perception, human memory, social behavior, psychopathology, and applied psychology. Laboratory sessions stress the application of quantitative interpretations of data and the scientific method to the study of human and animal behavior. (Four credits.)

201. Research Methods I: Design and Analysis. An introduction to the scientific method as applied in the social and behavioral sciences. Topics include descriptive and inferential statistics, the design and analysis of experiments, and the drawing of logical conclusions from behavioral data. Includes laboratory. Prerequisite: Mathematics 106 and Psychology 101. (Four credits.)

202. Research Methods II: Synthesis and

Communication. A continuation of Psychology 201. An introduction to the methods involved in behavioral research. Includes the logic, preparation, and design of controlled experiments. Emphasis is placed on the interpretation of data and the communication of results. Experience is gained in literature search and writing reports using appropriate style and format. Includes laboratory. Prerequisites: Mathematics 106 and Psychology 101 and 201. (Four credits.)

231. Developmental Psychology. An exploration of the ways in which physical growth, intellectual activity, and social behavior change with age. These changes are viewed through the life span of the individual and include biological and cultural determinants. Particular emphasis is given to prenatal and child development. Prerequisite: Psychology 101. (Three credits.)

233. Social Psychology. A study of humans as complex social beings, the development of individual differences, and the effects of society in shaping persons. Topics include attitudes and attitude change, the formation of the self-concept, emotional experience, prejudice, group dynamics, and social norms and values. Prerequisite: Psychology 101. (Three credits.)

235. Theories of Counseling. A survey of major theories and practices in counseling and psychotherapy. Topics include: cognitive, affective and behavioral models, directive and nondirective approaches, tests and other assessment devices, the ethics of intervention, and the evaluation of research in counseling and psychotherapy. (Three credits.)

250. Special Topics. A study of a subject of special interest. Topics previously offered include humanistic psychology, drugs and

behavior, the psychology of language, and the application of psychology to community issues. Prerequisite: Psychology 101 and consent of instructor. May be repeated for credit. (Three credits.)

272. Psychology of Women. An introduction to the discipline of the psychology of women. Topics covered include: gender development, gender comparisons, sexuality, women and work, and violence against women. One aim of this course is to explore the ways that race, ethnicity, class, sexual orientation, and age modify women's experiences. Prerequisite: Psychology 101 or consent of instructor. (Three credits.)

315. Learning and Motivation. The study of the general principles of learning and behavior change. Topics include classical and instrumental conditioning, extinction, biological and social motives, and the relation between performance and motivation. Prerequisite: Psychology 101 and consent of instructor. (Three credits.)

318. Biopsychology. This course emphasizes understanding the function of the brain and its relation to behavior. Topics include the biochemistry of neural conduction and synaptic transmission, the physiology of sensation and movement, the biochemistry of learning and memory, and mechanisms of action of psychoactive drugs. Prerequisite: Psychology 101, or Biology 101 and Psychology 201 or consent of instructor. (Three credits.)

320. Cognition. This course explores learning, memory, problem solving, judgment and decision making, concept formation and language. Offered in alternate years. Prerequisites: Psychology 101 and 201. (Three credits.)

327. Sensation and Perception. A study of sensation and perception focusing on biological and cognitive determinants and individual differences, including illusions, constancies, and perceptual learning. Offered in alternate years. Prerequisites: Psychology 101 and 201. (Three credits.)

335. Abnormal Psychology. A study of the origins, symptoms, and classification of mental illness, including the study of anxiety disorders, mood disorders, and schizophrenia. Includes comparisons among the various biological and psychological approaches to therapy. Prerequisite: Two psychology courses or consent of the instructor. (Three credits.)

340G. Personality. A theory-oriented exploration of human differences and similarities. Covers psychodynamic, humanistic, and behavioristic models. Topics include the role of the family, cross-cultural variables, and the immediate social-environment in shaping personality. Prerequisite: Junior standing. (Three credits.)

350. Special Topics in Psychology. A seminar on selected topics in psychology permitting in-depth analysis of an important psychological problem or phenomenon. Prerequisites: Psychology 101 and 201, or consent of the instructor. May be repeated for credit. (Three to four credits.)

351. Independent Study. Directed individual study in an advanced area of psychology. The student selects a topic in consultation with a member of the faculty. Prerequisites: Junior standing and consent of the instructor. May be repeated for credit. (One to three credits.)

420. Research Seminar. The development and completion of a major research project during the senior year. The students will read and critique their own and other research literature, and conduct and report their research project. The senior comprehensive examination is administered. Prerequisites: Psychology 101, 202, senior standing, and consent of the instructor. (Three credits.)

SOCIOLOGY

Steven L. Buban, Professor, Chair
Carolyn Tyirin Kirk, Professor
Michael L. Fleisher, Assistant Professor

■ **Sociology Major.** A major in sociology consists of nine courses in the department, including Sociology 202; 203; a minimum of four courses at the 300 level (excluding 320); and 420. In addition, Mathematics 106 must be taken prior to Sociology 202. The departmental requirements allow for considerable flexibility to meet the individual student's needs. For example, for those students interested in pursuing a career in which field experience at the undergraduate level is recommended, Sociology 406 (Urban Studies) or 420 (Senior Seminar) can be designed to include an internship with an appropriate organization. All individual programs leading toward the major, however, must be approved by the sociology department.

■ **Teacher Certification.** Those majors interested in seeking secondary level teacher certification should consult with the Education Department regarding additional certification requirements. This work should also include a second teaching field.

■ **Sociology Minor.** A minor in sociology consists of five courses in the department, including Sociology 202; 203; and a minimum of two courses at the 300 level (excluding 320). In addition, Mathematics 106 must be taken prior to Sociology 202.

101. Introduction to Sociology. A review of basic concepts, theories, and principles used in analyzing human behavior in social contexts. (Three credits.)

102. Social Problems. An introductory survey of selected contemporary social problems using some of the major concepts of sociology. (Three credits.)

202. Theory and Methods I. An introduction to specific theoretical perspectives, methodological approaches, research techniques, and data analysis. Includes a two-hour laboratory. Prerequisite: Mathematics 106. (Four credits.)

203. Theory and Methods II. A continuation of Sociology 202. Includes a two-hour laboratory. Prerequisite: Sociology 202. (Four credits.)

250. Special Studies in Sociology. An examination of selected problems and issues from a sociological perspective. May be repeated for credit. (Three credits.)

320. Independent Study. Independent study in an area of sociology directed by a member of the department. May be repeated for credit. (One to three credits.)

327G. Sociology of Medicine. An analysis of social processes and structures as they bear on the development and definition of disease, the seeking of care, the training and behavior of practitioners, and the overall health-care delivery system. (Three credits.)

341G. Urban Sociology. An introduction to the city, focusing on distinctive aspects of urban life and the relationship of the city to its physical environment, other cities, and the larger society. (Three credits.)

343. Population. An introduction to population studies and demographic analysis. Topics include the social determinants and consequences of fertility, mortality, and

migration and the social ramifications of various population policies. (Three credits.)

345. Class, Status, and Power. An evaluation of general theories of stratification and an analysis of stratification, class consciousness, and social mobility in industrial societies. (Three credits.)

347G. Gender, Race, and Ethnicity. Examination of the interrelationships among gender, race and ethnicity within the contexts of class and power in society. (Three credits.)

351. Criminology. An analysis of the social bases of law, the application of law, types of crime, theories of crime, and societal responses to crime. (Three credits.)

353. Social Interaction. An analysis of elementary social relationships emphasizing their development, maintenance, and transformation. Includes observation of interaction in laboratory and non-laboratory

settings. (Three credits.)

355. Social Movements. An analysis of relatively non-institutionalized forms of group behavior with primary emphasis on social protest. Substantive focus typically includes the U.S. Civil Rights Movement and the Feminist Movement. (Three credits.)

406. Urban Studies. An intensive, off-campus, living experience within the urban community of Chicago. Offered as part of the Urban Studies program of the Associated Colleges of the Midwest. (16 credits.)

420. Research Seminar. A seminar in which each participant conducts a research project involving a review of the literature, research design, data collection and analysis, and written and oral presentations of the findings. The project is the culminating experience of the major program in sociology. (Three credits.)

WOMEN'S STUDIES

Stacy A. Cordery, Associate Professor,
Coordinator

Women's studies includes the careful consideration of feminist theories and perspectives and the examination of gender inequalities and issues. The multidisciplinary approach emphasizes the breadth of disciplines in which feminist criticism is taken seriously.

■ **Women's Studies Minor.** A minor consists of 15 to 17 credits. Women's Studies 201 and 401 are required of all minors. Students with particular interests may choose to take Women's Studies 320.

201. Feminism. An introduction to Western feminist thought and the study of women's roles and status in society. Also evaluates present knowledge about women, questions stereotypes, reinforces the value of the content of women's everyday lives, and promotes awareness and research. (Three credits.)

320. Independent Study. Independent study in an area of women's studies directed by a member of the faculty. Prerequisites: Women's Studies 201 and approval of the instructor and the Women's Studies coordinator. (One to three credits.)

401. Women, Justice and Equality. A seminar in which participants will read and discuss historical texts that have had a profound effect on the feminist struggle for equality and justice. In addition, participants will engage in individual research, chosen in consultation with the instructor, in which the research topics will provide the basis for

additional readings in common. Prerequisites: Women's Studies 201.

Art 306. Women, Art, and Feminism.

Classics 210. Ancient Literature (when appropriate).

Classics 240. Ancient Society.

English 260. Literature of Feminism.

English 343. 20th-Century British Literature (when appropriate).

English 348. English Novel (when appropriate).

Government 244. The Politics of Islam (Also Issues and Ideas 444 and Religious Studies 244).

History 330. Biography and U. S. History (when appropriate).

History 370. Women in U. S. History.

Issues and Ideas 426. Feminist Approaches to Literature and Society.

Issues and Ideas 444. The Politics of Islam.

Psychology 272. The Psychology of Women.

Sociology 343. Population.

Sociology 347. Gender, Race, and Ethnicity.

Sociology 355. Social Movements.

HONORS PROGRAM

Honors Committee:

David Suda, Professor of Humanities,
Coordinator

Nancy A. Lariviere, Associate Professor of
Psychology

The Honors Program at Monmouth College is intended for a select group of well-qualified students and incorporates a variety of special courses germane to liberal education. The Program is designed to reinforce and extend the perspectives of the General Education curriculum, but it does not substitute for it. Each of the courses is distinctive and may not be cross-listed for credit in other departments. The first course in the Program serves both to extend the issues raised in Freshman Seminar and to introduce the perspectives of various branches of intellectual inquiry. In the middle section of the Program students pursue in-depth examinations of the thought and work of figures and of events, movements, and ideas instrumental in shaping our world. Finally, students enroll in a specially designed senior level course that serves as a canopy for the Program.

Acceptance into the Program is determined competitively and normally occurs at the end of the first semester of the freshman year. Sophomores, juniors, and transfer students may also seek admission. Their applications will be considered on an individual basis. To

be recognized as an Honors Graduate, students must have at least 18 semester hours, including Honors I and II, attain at least a B- in each course, and graduate with a 3.5 G.P.A. A participant in an officially sanctioned ACM-GLCA off-campus study program may be released from one Honors 210 course. Possible release from the Senior Year Honors Course because of Off-Campus Program attendance will be negotiated on a case by case basis with the Honors Committee.

Courses are reserved initially for Honors students. If space is available, others may enroll with the consent of the instructor.

110. Honors I. Wonder, Ideas, Trials. A critical examination of texts and issues related to the acquisition of knowledge, the various means by which we know, and historical-cultural factors influencing what we know. The course is organized from a comparative and interdisciplinary perspective. (Three credits.) (Prof. David Suda, spring semester)

210. Selected Topics. A critical examination of a seminal figure, event, movement, or idea recognized as significant in shaping our collective history. A minimum of four courses is required. (Three hours each.)

Current Courses in Selected Topics:

The Births and Deaths of Tragedy. The

course first examines literary definitions and representative types of tragic drama, tracing the genre from Greek plays and Aristotle's *Poetics* through Senecan, Elizabethan, neoclassical French, then modern European and American works. Readings and discussion next focus attention upon philosophical theories of tragedy, particularly of the 19th century—theories which find in literary works ways of describing “tragedy in the world.” Consideration is subsequently given to Freud's tragic consciousness and literary indebtedness to Greek tragedy; and to reports of intellectual and literary historians in the 20th century which pronounce the “death of tragedy.”

Christ and Culture Revisited. After publication in 1951, H. Richard Niebuhr's *Christ and Culture* provided a highly influential typology for conceiving the possible relations between human culture and Jesus of Nazareth. In recent years a number of ethicists have called Niebuhr's achievement into question. The course will focus on the critical interpretation of one influential theory of culture and its critique in both theological ethics and cultural studies. In the culminating experience, each student will sketch a coherent theory of culture in relation to his or her own convictions about reality.

The Human Dialogue. A course organized around the theme of dialogue as a principle for interpreting the human condition. The human sciences most commonly focus on either the individual self (e.g., psychology) or the social structures within which people live

(e.g., sociology). By contrast a dialogical approach centers attention on the interaction between individuals as a generative force which can account for outcomes of both self and social structure. Topics covered while examining the dialogical principle will include: dialogue as a pragmatic of communication and conversation, dialogue as a philosophical concept, dialogue as a basis for ethics, and dialogue as the progenitor of the self. Students will read and discuss critical texts, reflect on dialogical experience in journals, analyze communicative interactions, and pursue an individual project.

Thomas Kuhn/The Philosophy of Science. An examination of how Thomas Kuhn's *Structure of Scientific Revolutions* stimulated a general rethinking of knowledge claims and how the idea of scientific progress is understood. The course will explore Kuhn's influence in the humanities and social sciences, how it became an element in the creation of a post-modern view of knowledge and how it continues to have, implicitly if not explicitly, a pervasive influence on how we think about knowledge, how knowledge is produced and what makes knowledge claims legitimate.

410. Honors II. The capstone course attempts to synthesize the students' intellectual experiences as well as to anticipate conditions and ideas for the future. Prerequisite: Senior standing. (Three hours.) (Staff; fall semester)

OFF-CAMPUS PROGRAMS

Monmouth College offers students an exceptional variety of opportunities to enhance their educational experience in off-campus study, both in this country and overseas. Most of these are offered under the auspices of the Associated Colleges of the Midwest (ACM) or the Great Lakes Colleges Association (GLCA). While some programs require proficiency in a foreign language, most do not. Applications are competitive and students must make application to the Curriculum Committee. Details are available from the coordinator of off-campus programs at the College.

■ ACM London and Florence: Arts in Context

The London and Florence program compares the artistic achievements of two prominent Renaissance cities. Participants study the historical and political context of art, architecture, literature and theatre as well as Italian language. Visits to museums, galleries, theatres, short trips to other areas of England and Italy, and discussions with local scholars supplement this course work. Students spend eight weeks in each city and enjoy a week-long mid-semester break. An optional intensive course in Italian language is offered every January in Florence. (Three semester credits.)

■ Chicago Semester in the Arts

The Chicago Arts Program is a 15-week guide to the contemporary art world. In addition to attending a wide range of cultural events, students live in Chicago and meet and work with local artists and arts professionals on part-time internships and independent study projects and in two courses, the Core course, "Negotiating the Artworld," and an elective special topics seminar or a studio course. Possible internship placements: in an artist's studio; in a museum or gallery; with a theatre or dance company; with an orchestra or presenting venue; a magazine or newspaper and more. Not limited to arts majors, the program benefits all students who have a strong interest in arts. (16 semester hours.)

■ Chinese Studies

The Chinese Studies program offers an academic year or a semester of study in Hong Kong, a center for research and analysis of contemporary China as well as a focal point for business, banking, journalism, and governmental agencies operating throughout East Asia. Enrolled at The Chinese University of Hong Kong, students choose Mandarin or Cantonese language instruction, as well as elective courses ranging from contemporary Chinese political thought to traditional painting and calligraphy. There is also

opportunity for independent study projects, either library-based or field-oriented. At the university, students live in dormitories with Chinese roommates. An ACM/GLCA program. Opportunities for study in Mainland China for students with one to two years of Chinese are also available and offered by the Council on International Educational Exchange, of which ACM is a member. (12 to 18 semester hours.)

■ Czech Program

Combining its rich cultural heritage, the emerging revival of democracy, and a struggle for economic success, the Czech Republic mirrors much of East and Central Europe in its variations and uncertainties. The program is based at Palacý University in Olomouc, the historic capital of Moravia. It includes intensive language training and course work, field trips to major European cities, independent research, and housing with Czech students in university dormitories. With much of its ancient architecture intact and a topography of dramatic, contrasting beauty, Central Europe offers tremendous opportunities for students from many disciplines. Courses cover East European history, contemporary socio-political issues, environmental concerns, and Czech literature and culture. A GLCA/ACM program. (16 semester hours.)

■ Florence

The Florence Program provides an excellent opportunity to study Renaissance painting, sculpture, architecture, history, and literature for students interested in art, history, Romance Languages and the humanities. Italian language instruction, a studio art course, and courses providing a broad perspective on Italian contributions to world

civilization facilitate the study of Florentine artistic and cultural heritage. Visits to museums and galleries, short field trips to other cities throughout Italy, and discussions with local scholars supplement this course work. Staying with Italian host families enriches participants' awareness of modern Italian life as well as the academic study of Italian Renaissance culture. (16 semester hours.)

■ India Studies

The Indian subcontinent, home to almost one-sixth of the world's population, provides a rich and complex background for the study of non-Western civilization. After an intensive 10-week orientation term, including language study, at one of the ACM colleges, India Studies program participants spend six months in Pune living with Indian families. Pune is at once traditional and highly industrialized, offering an excellent opportunity to observe the interaction of tradition and modernity that characterizes contemporary India. Students enroll at Tilak Maharashtra Vidyapeeth, where they continue language instruction, choose four other courses, (over two terms) and complete their independent study projects begun during orientation. In addition to the formal academic program, a variety of extracurricular activities is available: music and dance recitals, field trips to nearby cultural sites such as the Ajanta and Ellora caves, and religious festivals. (Equivalent to one full year of work on the home campus; orientation, one-third; overseas program, two-thirds.)

■ Japan Study

Students spend the academic year at Waseda University's International Division in Tokyo after a brief orientation, providing intensive language practice and cultural discussions. In addition to required language study, electives

may be chosen from a wide range of Asian studies courses taught in English. A family living experience in Tokyo provides an informal education in Japanese culture and is in many ways the dominant feature of the program, offering total immersion in the Japanese way of life. In March, a three-week rural stay lets students experience another type of Japanese life. A GLCA/ACM program. (Students may earn a full academic year's credit.)

■ Newberry Library in the Humanities

One of America's great research libraries provides the setting and resources for this program. Students attend seminars, meet with resident scholars, and conduct their own research of selected topics using the Newberry Library's outstanding collections. In addition to the semester-long fall seminar, students may enroll in one-month seminars during winter and spring. An ACM/GLCA program. (16 semester hours or the equivalent.)

■ Oak Ridge Science Semester

The Oak Ridge Science Semester is designed to allow qualified undergraduates to study and conduct research in a prestigious and challenging scientific environment. As members of a research team working at the frontiers of knowledge, participants engage in long-range investigations using the facilities of the Oak Ridge National Laboratory (ORNL) near Knoxville, Tennessee. The majority of a student's time is spent in research with an advisor specializing in biology, engineering, mathematics, or the physical or social sciences. Students also participate in an interdisciplinary seminar designed to broaden their exposure to developments in their major fields and related disciplines. In addition, each student chooses

one elective from a variety of advanced courses. Guest speakers, departmental colloquia, and the special interests and expertise of the ORNL staff enrich the academic program in informal ways. A GLCA/ACM program. (16 semester hours.)

■ Russia Semester

The enormous political, social and economic changes taking place in Russia provide a fascinating environment for this program, and the Kuban region program site provides a particularly rich environment for understanding the changing nature of Russian life and the issues of national identity which accompany these changes. The program combines intensive study of the Russian language with an introductory course about Russian society. Students live with Russian families and the combination of home stays, field trips and individual projects provide for maximum exposure to contemporary Russian life. The program is based at Kuban State University in Krasnodar, a regional center of 700,000 people; the city's relatively relaxed atmosphere permits more contact between American and Russians than is usually found on programs in Russia. In addition, little English is spoken in Krasnodar, providing students increased opportunity to develop their Russian language skills. Students live with Russian families. An ACM/GLCA program. (16 semester hours)

■ Costa Rica: Studies in Latin American Culture and Society

Studies in Latin American Culture and Society (fall only) is an interdisciplinary program for students seeking a comprehensive understanding of life in Latin America and wishing to develop fluency in Spanish. This program, which focuses on the humanities and

social sciences, is designed to take full advantage of its Costa Rican setting. Language study is stressed as the key to understanding the culture. Course work in language, literature, geography, anthropology, politics and cultural change enable students to develop insights which are reinforced by field trips and two weeks of field work in rural areas. In San Jose and its environs, students live with families both to improve their language ability and to enjoy personal involvement in the daily life of a Latin American community. (16 semester hours.)

■ Tanzania

The Tanzania program offers undergraduates an unusual opportunity to conduct field work in some of the world's greatest paleoanthropological and ecological sites. Students divide their time between the University of Dar es Salaam and the Northern Region of Tanzania. At the University they take courses in intensive Swahili, human evolution and the ecology of the Serengeti while developing a research topic. For the next six weeks, students live in tent camps and pursue individual field projects in the Serengeti/Ngorongoro area before returning to the University for final work on their projects. The program is both physically and academically demanding, and only well-qualified students will be selected. (16 semester hours.)

■ Tropical Field Research

The Tropical Field Research program (winter/spring) is designed for advanced work in the social and natural sciences. Independent research in the humanities is also encouraged. Costa Rica supports an extraordinary variety of plant and animal life and provides rich research opportunities for students of tropical biology

and ecology. An equally broad range of research topics is available for students of anthropology, archaeology, economics, geography, geology, history, political science and sociology. Students prepare for their research during a month-long orientation, which includes intensive language training and a review of field work methodology. Their field study may be integrated with an ongoing project or undertaken independently under the supervision of a faculty advisor. (16 semester hours)

■ Urban Education

The Urban Education program offers student teaching internships, a summer sequence of courses leading to bilingual or English as a Second Language (ESL) certification, and an intensive one month course in December and January on multicultural awareness and global awareness. Chicago offers exceptional opportunities for students interested in education and educational issues. The diversity of communities served by Chicago schools provides a rich setting in which interns learn from working with people who represent cultures and languages from all over the world. The variety of educational programs operating within the metropolitan area also enables students to work in virtually any kind of school.

Placements are made in public, private or alternative schools. Students can work in traditional or progressive, city or suburban, multilingual or monolingual, regular or special education, magnet or neighborhood schools. Seminars focus on the social, political, and economic factors that influence systems as well as the impact of schools on students, teachers, and communities. Coaching and supervision emphasize collaborative approaches for developing effective teaching

strategies.

The “Dimensions of Multiculture” course offered in December and January interims explores the meaning of cultural identification and its impact on children’s learning and also serves candidates for bilingual certification, foreign students wanting to develop a deeper understanding of American cities, and a broad range of students interested in expanding their understanding of other cultures. (Equal to an equivalent period on the home campus.)

■ Urban Studies

The social, cultural, and economic forces which shape American cities—urban renewal, political machines, pollution, the daily press, welfare, high culture and mass culture, the corporate elite—are all present in Chicago. In the Urban Studies program, students immerse themselves in the city and these forces and begin to understand the magnitude and complexity of an urban center by studying, working, and living in Chicago. The program includes seminars on urban issues, a core course focusing on current problems in public policy, an independent study project, and a supervised internship. The programs focus on experiential education also helps students gain a valuable understanding how the city influences and shapes those who live there. The program encourages students to examine their experiences while living in the city and provides students an opportunity to examine their own values and goals. (16 semester hours)

■ Wilderness Field Station

The ACM Wilderness Field Station, located on remote Low Lake in the Superior National Forest, offers an exceptional opportunity for direct observation of northwoods nature. Courses in aquatic biology, animal behavior,

ornithology, and behavioral ecology of vertebrates are typically offered during the two month-long summer sessions, along with field biology, other electives for non-science majors, and an independent study option. Much of the field work in this lakeland wilderness is done on long canoe trips, into the Boundary Waters Canoe Area and Canada. The base camp’s laboratories and herbarium enable students to supplement their field work with formal scientific study and equipment. (Four semester hours or the equivalent each session.)

■ Zimbabwe

The interdisciplinary Zimbabwe Program, which is located on the campus of the University of Zimbabwe in Harare, the capital city of Zimbabwe, addresses the challenges of building a modern independent nation and focuses on development issues in Southern Africa. ACM and University of Zimbabwe faculty members offer courses in cultural identity and society, political and economic development and the Shona language. Students also complete an independent field project under the guidance of program staff or university faculty. During the optional May term (4 semester credits), they can pursue an internship or do additional language study or an individual research project. Family stays in Harare and Bulawayo offer students the opportunity to live with Zimbabweans, participate in community life, and experience the cultures of the country’s two main ethnic groups, the Shona and the Ndebele. The academic program is also enriched by field trips to other parts of the country and by a short rural stay. (16 semester hours or the equivalent.)

PREPROFESSIONAL PROGRAMS

■ **Architecture.** Monmouth College is affiliated with Washington University of St. Louis in a joint program of the study of architecture. The program consists of three years at Monmouth College with a major in art or a synoptic major, and four years of architecture studies at the university. After successful completion of the first year at Washington University, the student receives the B.A. degree from Monmouth College. A master's degree in architecture is awarded after completion of the program at Washington University.

■ **Computer Science.** Students who seek careers in this rapidly growing field should take a full complement of courses in mathematics and computer science. The College's well-equipped Computer Center affords students ample opportunity for instruction and practice. The department of mathematics and computer science offers majors in both mathematics and computer science.

■ **Dentistry.** Dental schools accept applicants without regard to their undergraduate major. Students can, therefore, choose to major in any field, although most students major in biology or chemistry. Course requirements and academic standards vary, so students should become familiar with the specific require-

ments of the schools to which they plan to apply. The members of the College Health Careers Committee are available to help with academic planning and, together with The Wackerle Center for Career and Leadership Development, to help students obtain catalogs and admission material.

■ **Engineering.** Monmouth College is affiliated with Case Western Reserve University, Washington University, and the University of Southern California in joint five-year programs of engineering education. The plan calls for three years at Monmouth followed by two years of engineering work at one of these institutions. Acceptance by the affiliated institution is guaranteed if a B average is maintained in the specified courses at Monmouth. Upon completion of the program, the student receives degrees from both Monmouth and the engineering school.

■ **Environmental Science.** An interdisciplinary major in environmental science can lead to graduate work or career positions in this expanding field. This program emphasizes an interdisciplinary approach utilizing instruction in seven departments in order to comprehend the complex nature of environmental issues. Depending on the student's goals, the program allows development of scientific expertise or skills in policy/advocacy, while assuring a solid

background in both areas for all graduates.

■ **Law.** Students should prepare for a career in law by acquiring the ability to think, write, and speak clearly. They should also cultivate a genuine concern for human institutions and values. Though law schools require no particular undergraduate major or course of study, courses in constitutional law, business law, and criminology are available at Monmouth College. Students may also gain experience in law-related internships for college credit.

■ **Library Science.** After receiving the B.A. degree, a student may qualify for a master's degree in library science with approximately one year of training in a professional school. Library schools require no particular undergraduate major or course of study, but specialization can lead to library work in that area. Opportunities may be available for qualifying students interested in library science to work in Monmouth College's Hewes Library.

■ **Medical Technology.** After three years of preprofessional education at Monmouth, students complete the professional phase of the program in two years at Rush University in Chicago. Acceptance to Monmouth College does not guarantee acceptance to Rush University. Students who remain at Monmouth for three years and complete the Monmouth general education requirements receive a B.A. degree from Monmouth in addition to the B.S. degree from Rush.

■ **Medicine.** Medical schools accept applicants without regard to their undergraduate major. Students can, therefore, choose to major in any field, although most students major in biology or chemistry. Course requirements and

academic standards vary, so students should become familiar with the specific requirements of the schools to which they plan to apply. The members of the College Health Careers Committee are available to help with academic planning and, together with the Wackerle Career and Leadership Center, to help students obtain catalogs and admission materials.

■ **Ministry and Christian Education.** The American Association of Theological Schools recommends a broad liberal arts experience as the best preparation for the ministry today. Concentrations in philosophy, religion, history, English, sociology, or psychology are encouraged, and some knowledge of Hebrew and Greek is a valuable asset. Students who are preparing for service in the field of Christian education will profit from courses in the education department as well as from the above concentrations.

■ **Nursing.** The preprofessional phase of the nursing program is normally completed in three years at Monmouth, followed by two years of professional training at either Rush University in Chicago or at Mennonite College of Nursing in Bloomington, Illinois. Acceptance to Monmouth College does not guarantee acceptance to the affiliated institution. Students who remain at Monmouth for three years and complete the Monmouth general education requirements receive a B.A. degree from Monmouth in addition to the B.S. degree from the affiliated school.

■ **Occupational Therapy.** Students can prepare for graduate work in occupational therapy with an undergraduate major in any field as long as the necessary prerequisite courses are taken. Course requirements and academic standards vary, so students should

become familiar with the specific requirements of the schools to which they plan to apply. The members of the College Health Careers Committee are available to help with academic planning and, together with the Wackerle Career and Leadership Center, to help obtain catalogs and admission materials.

■ **Physical Therapy.** Students can prepare for graduate work in physical therapy with an undergraduate major in any field as long as the necessary prerequisite courses are taken. Course requirements and academic standards vary, so students should become familiar with the specific requirements of the schools to which they plan to apply. The members of the College Health Careers Committee are available to help with academic planning and, together with the Wackerle Career and Leadership Center, to help students obtain catalogs and admission materials.

■ **Reserve Officers' Training Corps.** Monmouth College students may work toward a commission in the United States Army, the Army Reserve, or the National Guard upon graduation. The program, open to both men and women, is taken in addition to the ordinary academic program and includes a six-week summer camp between the junior and senior years. Information about this program may be found in the section on the military science department.

■ **Social Service.** Entry-level jobs in social service agencies are open to all majors although professional advancement often requires a graduate degree. The sociology and psychology majors prepare students well for graduate programs in the social service area, e.g., M.S.W., M.A. in counseling. Students should be aware of rapidly

increasing opportunities for those who combine such a major program with a working knowledge of Spanish.

■ **Teaching.** Monmouth teacher preparation programs meet the professional education requirements of the Illinois State Teacher Certification Board. The programs provide students who are preparing to teach in elementary, middle and secondary schools with opportunities to develop the skills and knowledge needed to become effective teachers. Students interested in teaching as a career should pursue programs of study that take into account their subject interests, their aptitudes, and their desire to qualify for a particular teaching role. The Urban Education Program of the Associated Colleges of the Midwest offers unusual opportunities to Monmouth students, including a special program for those interested in bilingual education. Detailed information about specific teacher education programs may be found in the section on the education department.

■ **Veterinary Medicine.** Veterinary schools accept applicants without regard to their undergraduate major. Students can, therefore, choose to major in any field, although most students major in biology. Course requirements and academic standards vary, so students should become familiar with the specific requirements of the schools to which they plan to apply. The members of the College Health Careers Committee are available to help with academic planning and, together with the Wackerle Career and Leadership Center, to help students obtain catalogs and admission materials.

ADMISSION

■ **Admission Policy.** Monmouth College admits qualified men and women without regard to physical handicap or their geographic, cultural, economic, racial, or religious backgrounds. Each applicant for admission is evaluated on his or her individual merits. The College does not make decisions on the basis of single test scores or other isolated credentials, seeking rather to develop a comprehensive understanding of each applicant's abilities and potential. Scholastic record, class standing, standardized test scores, recommendations, and personal qualities such as motivation, goals, maturity, and character are considered.

Applicants should take a college-preparatory program that includes four years of English, three years of mathematics, two years of science (including one year of a laboratory science), three years of social sciences (including history and government, and two years of a foreign language). Participation in honors or advanced course programs is strongly recommended. Applicants who lack particular courses are not disqualified from admission to the College and will be considered on an individual basis. Applicants who have not been enrolled in school for a year or more should provide a

statement describing their activities since last enrolled.

■ **The Admission Process.** The complete admission process for all full-time students includes these steps:

1. The complete application form must be sent to the Admission Office.
2. An official transcript of high school credits including rank in class and SAT or ACT scores must be filed with the Admission Office. Transfer applicants must have an official college transcript sent from all previously attended institutions on file with the Dean of Admission, Monmouth College.
3. Completed applications are reviewed by the Dean of Admission. The Dean of Admission may approve those which are clearly acceptable; those which are not are referred to the Admission Committee for individual consideration.*
4. Notice of the action taken is sent to the applicant on a rolling basis. Those that are accepted will receive instruction concerning the new student deposit of \$150.00 and housing information.
5. The health form and immunization records must be complete before a student will be allowed to enroll.

**Transfer students' acceptance will be based on their GPA as it relates to Monmouth College's current student good standing policy.*

- **EARLY DECISION.** Monmouth will offer admission to students based on a three-year high school record and the SAT or ACT results from the junior year or early senior year, subject to successful completion of the senior year in high school.

- **REGULAR DECISION.** Applicants on Regular Admission will receive notification from the College on a rolling basis during the senior year.

- **SPECIAL, PART-TIME, AND REENTERING STUDENTS.** Special students are those who are not candidates for the degree. Permission to register as a special

student must be obtained from the Dean of Admission before the beginning of the semester. Should a special student decide to become a degree candidate, the regular admission procedure must be completed.

Part-time students are those who register for fewer than 12 hours of credit per semester. Permission to enroll part-time must be obtained from the Dean of the Admission before the beginning of the semester.

Students who have previously attended Monmouth College and wish to reenter must obtain permission to reenroll from the Dean of Admission before the beginning of the semester.

TUITION AND OTHER CHARGES, 1998-99

TUITION, ROOM, AND BOARD

Tuition, per semester	\$7,560.00
Room, per semester:	
double occupancy	1,205.00
single occupancy	1,615.00
Board, 21-meal plan per semester	..1,000.00
Board, 14-meal plan per semester	...960.00

Total annual charge:

(tuition, fees, 21 meal board, and double-occupancy room)\$19,530.00

PAYMENT

All fees and charges are due the first day of the semester in which the student is enrolled. Students may not register until their accounts are paid in full or satisfactory alternative arrangements are made with the Business Office.

Students who have outside scholarships or loans not already credited to their accounts by the day of registration must have written confirmation from the source of the aid if the scholarship or loan is to be considered in computing the net amount due.

Students who wish to distribute payment over several months must make arrangements to do so using Tuition Management Systems, Inc. Information is available from the College Cashier or by calling 1-800-722-4867. There is a \$50 annual enrollment fee.

CONDITIONS

The normal course load for a full-time student is 15 to 16 semester hours. A student enrolled for 12 semester hours is classified as a full-time student. Tuition charges provide for a course load up to and including 18 semester hours. Tuition per semester is based upon a student's registered course load as of the last day to add a course. (See 1998-99 Academic Calendar.)

Tuition includes use of the library, laboratories, student center, cultural activities, cocurricular programs, admission to athletic contests and most other campus events. Tuition is required whenever a student is enrolled for course work at Monmouth College or under Monmouth College's auspices, whether the course work is on or off campus.

Where space permits, double rooms are made available for single occupancy at an extra charge. Students selecting a "double-single" room will be billed at the single-occupancy rate.

All unmarried students are required to live and take board on campus, except that residents of the immediate area may receive permission to commute to the College when they continue to live with their parents.

Students enrolled in internships, independent study, student teaching or other off-campus programs within 30 miles of Monmouth must reside on campus and take

board in the College dining room. Box meals will be provided or other appropriate arrangements made for meals that cannot be taken on campus. All expenses associated with off-campus study, such as travel, clothing and meals at unusual times, will be borne by the student. Not all financial aid is continued for off-campus study programs, and the student must check with the Financial Aid Office to determine whether financial assistance is continued for the particular off-campus study program in question.

Payment of all current financial obligations to the College is a prerequisite to receiving the degree. Failure to meet such obligations will preclude participation in Commencement activities.

STUDENT HEALTH INSURANCE PLAN

All students enrolled for six or more semester hours are required to participate in the Student Health Insurance Plan unless proof of comparable coverage is furnished. If you have comparable coverage, a completed waiver card must be submitted to the College Business Office by the applicable deadline or the insurance premium will be charged. Coverage will continue to the next policy year anniversary date. Health care provided through a Health Maintenance Organization (HMO) is generally not considered comparable coverage. Further information is available in the Health Insurance Plan brochure.

Fall:

1998 annual enrollment premium	
Domestic Student	\$274.00
International Student	\$360.00
1998 waiver submission	
deadline	Aug. 14, 1998

Spring:

1999 new student enrollment premium	
Domestic Student	\$168.00
International Student	\$221.00
1999 new student waiver submission	
deadline	Jan. 14, 1999

OTHER CHARGES

OVERLOAD, per semester hour	\$630.00
-----------------------------	----------

Students who take more than 18 semester hours per semester will be charged additional tuition on a prorated basis. Tuition for fewer than 12 or for more than 18 semester hours will be charged at \$630 per semester hour.

AUDIT, per semester hour	\$315.00
--------------------------	----------

Full-time students may audit a course without charge. Part-time students or persons not otherwise enrolled will be charged the audit fee.

CREDIT BY EXAMINATION,	
per semester hour	\$315.00

SPECIAL EXAMINATIONS	\$30.00
----------------------	---------

Students who are absent from a final examination for any reason except illness must secure the permission of the instructor and pay the fee to take a makeup examination.

INDIVIDUAL INSTRUCTION

Music Lessons:	
Music major, full-time student	No Charge
Non-music major, full-time student	
registered for participation in musical ensemble, may take lessons in area of performance specialty. (<i>Example: Choir participant may take voice without charge, but not piano.</i>)	No Charge
Non-music major, half-hour lesson per week, per semester	\$160

Hour lesson per week, per semester
.....\$320.00

INTEREST CHARGE 8.4%

Interest charges are assessed to student accounts on the fourteenth (14th) day of each month. The amount of the assessment is determined by taking the outstanding balance on the 15th day of the previous month, subtracting any credits posted during the month, and multiplying the resulting amount times 7/10ths of 1 percent, which is the equivalent of 8.4 percent per year. This method will always allow at least 30 days but not more than 60 days for charges to be paid without incurring any interest assessment. Interest is assessed on all outstanding balances, even if those balances are intended to be paid by financial aid not yet posted to student accounts, including loans and College employment. Interest is not assessed on outstanding balances if a student is participating in the Tuition Management Systems, Inc. plan and all payments are current.

LATE COURSE SELECTION FEE \$30.00

Returning students who fail to make course selections by the specified date preceding each semester will be assessed this additional fee.

LATE REGISTRATION FEE \$30.00

Students who fail to register for class by the specified date at the beginning of each semester will be assessed this additional fee.

CHANGE OF REGISTRATION ..\$15.00

Students who change registration after the first week of classes will be charged this additional fee.

MATRICULATION FEES

Application fee None
Deposit for new students\$150.00

A deposit is required of all new students accepting admission. This \$150 is retained as a deposit that is refunded at graduation or withdrawal of the student from the College, provided there are no outstanding charges. New student deposits are refundable if requested by May 1, prior to entry for the fall semester.

ROOM CANCELLATION FEE ..\$150.00

Resident students who do not return for the Fall semester must cancel their room assignment by written notice to the Student Affairs Office no later than July 1 or be assessed this additional fee.

YEARBOOK FEE\$25.00

Annual yearbooks are produced for those students who place an order by the deadline date (October 15, 1998). The yearbook fee will be charged to the student's account. Orders may not be canceled after the deadline date.

TRANSCRIPT, per copy\$3.00

Transcripts are issued only upon written request. All financial obligations to the College must be met before a transcript will be issued.

PLACEMENT SERVICE

Enrolled student:

Up to 5 mailings of credentials ...\$10.00
Each additional mailing\$4.00

Non-enrolled student:

Up to 3 mailings of credentials ...\$10.00
Each additional mailing\$4.00

ROOM TELEPHONE

An active telephone jack is provided, at no

additional charge, in each residence hall room. Students must provide their own touch tone telephone. Students wanting full telephone services should obtain an authorization code from Resicom, the campus telephone service company. Normally, authorization codes will be available for new students when they arrive on campus. Returning students may use the same access code from the previous academic year. Any telephone problems or questions pertaining to authorization code billing or use should be directed to Resicom by dialing 8888 from any campus phone or by dialing 1-800-853-1030.

REPLACEMENT OF LOST KEY OR CARD

Outside key to building	\$50.00
Room key	\$10.00
Other key	\$10.00
ID or meal card	\$10.00

The security of residence halls and the integrity of the identification system demand cooperation and responsibility from all members of the community in safeguarding keys and ID cards. The charges above are to encourage due care of keys and cards, to maintain room and building security, and to prevent abuse of ID cards. Students are charged for keys not returned by the last day of each semester. Students who return keys after the last day of each semester will not receive a full refund for key charges. The refund will be one half of the initial charge.

MOTOR VEHICLE CHARGES

Auto Registration	\$25.00 per semester
Parking/other violation fine	\$20.00
Parking on College lawns fine	\$50.00
No vehicle registration fine*	\$100.00

**In addition, violators must also register the vehicle and pay the \$25 vehicle registration fee.*

Motor vehicle regulations are designed to

protect the safety and welfare of the campus community and to promote good order. Tickets for violations are issued by designated staff monitors. Any enrolled student bringing a motor vehicle to campus must register the vehicle in the lower level of Poling Hall, Room 6, within the first week of classes, and thereafter, before bringing a vehicle to campus.

REFRIGERATOR RENTAL

A limited number of refrigerators with microwave ovens are made available at an annual rental rate.

6.25-Cubic-Foot Refrigerator/Freezer with Microwave Oven	\$130.00
Replacement charge if lost or stolen	\$450.00

Students are responsible for paying for damages to refrigerators, not to exceed the replacement charge. Students who fail to clean refrigerators at the end of the rental period will be charged \$20 for each unit.

NON-SUFFICIENT FUNDS CHECK RETURN FEE

This fee is charged on each check returned to the College for non-sufficient funds.

SUMMER SESSION

Tuition, per semester hour	\$505.00
Room, per week, double occupancy	..\$45.00

Board is not available. Students who withdraw during the first two days of classes receive a 75% tuition refund. After the second day of classes, there is no tuition refund.

CHARGES FOR SUPPLIES OR DAMAGE

Charges for art, laboratory or other supplies; lost library items, or for breakage or damage to College property are billed

immediately or at the end of the semester.

The charges include the estimated cost of replacement parts or material, labor for repair or replacement, and overhead expenses associated with the repair or replacement.

REFUNDS

A refund is the amount of money that the College will credit to a student account and/or to a financial aid program account when the student leaves school before completing a period of enrollment. No refund of tuition is made to a student who simply drops a course. Refunds may or may not result in a student account credit that would lead to an eventual disbursement of cash to a student. Students who withdraw from the College are subject to adjustments in their financial aid. Students are cautioned that withdrawal from the College may result in a larger balance due from the student and that such balance will be due and payable at the time of withdrawal.

Date of Withdrawal or Drop-out

Students must submit notification of withdrawal in writing. Forms for withdrawal from the College are available in the Student Affairs Office. The date of withdrawal will be the later of the date the student submits written notification to the College or the date of withdrawal specified by the student.

If a student drops out of the College without submitting official notification in writing, the withdrawal date will be the last recorded date of class attendance by the student, as documented by the College.

Once a student has withdrawn from the College, refunds will be computed and credited by the College Business Office within thirty days of notification of withdrawal. No separate refund request is necessary.

Attribution

Student loans, scholarships and grants will first be reviewed and attributed to the appropriate academic session. For example, the Federal Family Educational Loan Program loans (Stafford, PLUS, etc) are considered to be made in proportionate amounts corresponding to the number of academic sessions covered by the loan (typically two semesters). Any portion of such loans attributable to a session that the student did not attend must be returned to the appropriate program account. The student's account will be adjusted accordingly.

Calculation of the Total Refund Due

For all students, the following refund policy will apply:

TUITION, ROOM, & BOARD REFUNDS

If a student withdraws from the College, tuition, room and board will be retained on the basis shown below.

If the student withdraws:	The college retains:
Before classes begin	0%
Prior to the end of the second week . . .	10%
Prior to the end of the third week	20%
Prior to the end of the fourth week . . .	30%
Prior to the end of the sixth week	40%
Prior to the end of the seventh week . .	50%
Prior to the end of the ninth week	60%
After the end of the ninth week	100%

OTHER CHARGES

Fees and charges other than those described above are not refundable.

Credit to Student Account

Based on the above refund policies, the College will determine the total amount of charges to be retained. If the student has an

unpaid balance due the College on his or her account, the unpaid amount will be deducted from the total amount to be retained. The College will then deduct the total amount to be retained from the total of all cash and attributable aid paid toward the student's account for the session. This will be the amount of any refund due.

Example:

Jane is a full-time student at Monmouth College. She officially withdraws at the end of the sixth week of the first semester.

Costs for the Semester:

Tuition		\$7,560.00
Room		\$1,205.00
Board		\$1,000.00
Change of Registration		\$15.00

Aid Awarded for the Semester: Illinois

Monetary Award (MAP)		\$2,160.00
Federal Pell Grant		\$360.00
Federal Stafford Loan		\$1,563.00
Monmouth College Grants	...	\$2,700.00

\$9,765.00	Total College Charges
<u>\$6,720.00</u>	Total financial aid applied to school charges for session*
\$3,045.00	Payment due College from Jane
* \$63.00 is deducted from aid for Federal Stafford Loan fees.	

At the time that Jane withdrew, she had made a cash payment of \$1,000 toward her \$3,045 balance. All aid posted to Jane's account was attributable to the first semester. Amount retained by the College based on refund policy:

	Charge	% Retained	Amt. Retained
Tuition	\$7,560.00	40%	= \$3,024.00
Room	1,205.00	40%	= 482.00
Board	1,000.00	40%	= 400.00
Change in Registration	15.00	100%	= 15.00

SUBTOTAL	\$3,921.00
Unpaid Balance Due College	<u><2,045.00></u>
Total Amount Retained	\$1,876.00

Refund Amount:	
Total Cash and Attributable Aid Applied	\$7,720.00
Total Retained	<1,876.00>
Refund Amount	\$5,844.00

Refund Allocation

Depending on what financial aid has been awarded to a student, refund amounts will be returned to Federal and State sources of aid first. Any refund due will be allocated in the following order:

1. unsubsidized Federal Stafford loans,
2. subsidized Federal Stafford loans,
3. Federal PLUS loans,
4. Federal Direct Stafford loans,
5. Federal Direct PLUS loans,
6. Federal Perkins loans,
7. Federal Pell Grants,
8. Federal SEOG awards,
9. other assistance authorized by Title IV,
10. other federal, state, private, or institutional student financial assistance,
11. the student.

In the case of Jane's \$5,844 example refund, \$1,500 would be returned to the Federal Stafford Loan lender, \$360 would be returned to the Pell Grant program, \$2,160 would be returned to the Illinois Monetary Award program, and \$1,824 would be used to reduce Monmouth College grants. The balance due Monmouth College would remain \$2,045.

Earnings from campus employment for the time worked to the date of withdrawal

will be paid to the student on the next scheduled payroll date.

All adjustments in financial assistance will be made by the Director of Financial Aid.

Loan Exit Interview Required

Perkins Loan and Stafford Loan borrowers must have an exit interview with the Financial Aid Office before leaving campus to ensure that they fully understand their commitments and obligations under this federally-funded program.

Appeal Process

An appeal process exists for students or parents who believe that individual circumstances warrant exception from published College charges and refund policies. Persons wishing to appeal for special consideration should address such an appeal in writing to the Vice President for Finance and Business at Monmouth College.

EFFECTIVE DATE

The charges above are effective July 1, 1998.

RIGHT TO CHANGE CHARGES

Charges are established on an annual basis,

and the College makes every effort not to change them during the year. However, the College reserves the right to change any and all of the above charges.

1998-99 ACADEMIC CALENDAR

Fall Semester

Classes begin, Registration September 1
Last day to register for classes . . .September 4
Last day to add a course September 7
Last day for returning students to make
 Spring 1999 course selections
 without a charge September 7
Last day to drop a course
 without a fee September 7
Last day to drop a course November 4
Classes end December 11
Final examinations . . .December 14, 15, 16, 17

Spring Semester

Classes begin January 21
Last day to register for classes . . .January 26
Last day to add a course January 27
Last day to drop a course
 without a fee January 27
Last day to drop a course April 9
Last day to make Fall 1998 course
 selections without a charge April 23
Classes end May 7
Final examinations May 10,11,12,13
COMMENCEMENT May 16

REGISTERS: FACULTY ADMINISTRATION, SENATE

FACULTY, 1998-99

FULL- AND PART-TIME FACULTY

Richard Giese (1997), President and Professor of Education, 1997- •B.A., Concordia College, 1971; M.Div., Concordia Seminary in Exile (Seminex), 1976; M.A., Washington University, 1976; Ph.D., Kent State University, 1986.

Arnold, George F. (1974), Vice President for Academic Affairs / Dean of the Faculty 1996- ; Professor of Education and History, 1989- •B.S., Buffalo State College, 1968; Ph.D., University of Maryland, 1975.

Ambrose, Rajkumar (1986), Associate Dean of the Faculty, 1997-; Professor of Physics, 1990- •M.A., Madras Christian College, 1962; B.D., United Theological College (India), 1981; Ph.D., Texas Christian University, 1986.

Ambrose, Sarojini (1988), Lecturer in English, 1988- •B.A., 1961; M.A., Madras University, 1963; M.A., Texas Christian University, 1990.

Ashton, Stacy M. (1995), Lecturer in Art, 1995- •B.A., Eastern Illinois University, 1987; M.A., Eastern Illinois University, 1988; MFA, Washington University, 1991.

Baca, Jacqueline Glad (1996), Lecturer in Modern Foreign Language, 1996- •B.A.,

Western Illinois University.

Baker, Marie (1996), Lecturer in Department of Education, 1996- •B.S., Illinois State University, 1975; M.S., Western Illinois University, 1991.

Barbaro-Medrano, Louise C. (1998), Lecturer in Modern Foreign Languages, 1998- , •B.A., University of Toronto, 1980; B.Ed., University of Toronto, 1981; Honor Specialist International Languages, University of Toronto, 1998.

Becker, Andrew S. (1996), Assistant Professor of Psychology, 1996- •B.A., Carleton College, 1987; M.S., 1993; Ph.D., University of New Mexico, 1996.

Betts, James E. (1989), Associate Professor of Music, 1989- •B.M., 1972; M.M., •B.A. Southern Illinois University, 1973; D.M.A., University of Iowa, 1984.

Blum, Harlow B. (1959), Professor of Art, 1977- •B.F.A., University of Illinois, 1956; M.A., Michigan State University, 1959; M.F.A., Syracuse University, 1966.

Bond, Marjorie E. (1996), Assistant Professor of Mathematics and Computer Science, 1996 - •B.S., 1990; M.A., 1992, University of New Mexico; Ph.D., Kansas State University, 1996.

Bruce, Mary Barnes 1985, Associate Professor of English, 1992- •B.A., Arlington

State College, 1965; M.A., Southern Methodist University, 1968; Ph.D., Arizona State University, 1986.

Buban, Steven L. (1977), Professor of Sociology, 1992- •B.A., 1972; M.A., 1973; Ph.D., 1979; University of Iowa.

Byrne, John (1996), Lecturer in Political Economy and Commerce, 1996- •BBA, University of Notre Dame; MBA, Loyola University; Ph.D., University of Iowa, 1996.

Carrillo-Daniel, Mayra (1994), Lecturer in Modern Foreign Language, 1994- •B.A., 1971; M.A., 1972; University of Iowa; M.S., Western Illinois University, 1994.

Cogswell, Richard L. (1983), Professor of Mathematics, 1990- •B.A., DePauw University, 1976; M.A., 1978; Ph.D., 1983; Washington University.

Condon, Jacquelyn S. (1980), Vice President for Student Life and Dean of Students, 1995- Assistant Professor of Education, 1982- •B.A., Millikin University, 1975; M.S.Ed., Eastern Illinois University, 1980.

Connell, Michael (1992), Associate Professor of Political Economy and Commerce, 1996- •B.S., 1976; M.S., 1982; J.D., Ph.D., 1986; University of Illinois.

Cordery, Simon (1994), Lecturer in History, 1994-; Head Women's Soccer Coach, 1994- •B.A., Northern Illinois University, 1982; M.A., University of York (England), 1984; Ph.D., University of Texas at Austin, 1995.

Cordery, Stacy (1994), Assistant Professor of History, 1994-; Coordinator of Women's Studies, 1995-; Curator of Monmouthiana Archives, 1995- •B.A., 1983; M.A., 1986; Ph.D., 1992; University of Texas at Austin.

Cramer, Kenneth (1993), Associate Professor of Biology, 1996- •B.S., University of Missouri, 1979; M.S., University of

Oklahoma, 1983; Ph.D., Utah State University, 1988.

De Young, James L. (1963), Professor of Communication and Theater Arts, 1985- •A.B., Beloit College, 1959; M.A., Bowling Green State University, 1960; Ph.D., University of Minnesota, 1974.

Descas, Marie Josephe (1996), Assistant Professor of Modern Foreign Languages, 1996 - •Licence, Université Paris XIII, 1988; M.A., Temple University, 1991; Ph.D., University of Pennsylvania, 1995.

Douglas, Dorothy DiVall (1988), Associate Professor of Education, 1995- •B.S., University of Oklahoma, 1958; M.Ed., Central State University; Ed.D., Oklahoma State University, 1985.

Ellison, Linda (1989), Lecturer in Education, 1989- •B.A., Monmouth College, 1975; M.S.Ed., Western Illinois University, 1989.

Fasano, Christopher (1998), Assistant Professor of Physics, 1998- •B.S., University of Notre Dame, 1988; M.S., University of Chicago, 1987; Ph.D., University of Chicago, 1988.

Fleisher, Michael L. (1998), Assistant Professor of Anthropology, 1998- •B.A., Columbia University, 1991; M.A., University of Michigan, 1993; Ph.D., University of Michigan, 1997.

Fleitas, David G. (1998), Lecturer in Modern Foreign Languages, 1998- •B.A., Florida International University, 1992; J.D., Loyola University-Chicago, School of Law, 1992; M.A., University of New Orleans, 1995.

Gersich, Frank (1998), Associate Professor of Political Economy and Commerce, 1998- •B.S.B.A., University of North Dakota, 1978; M.S., University of North Dakota, 1979; Ed.D., Northern Illinois University, 1993.

- Gebauer, Peter A. (1975), Professor of Chemistry, 1988- •B.S., Harvey Mudd College, 1965; Ph.D., University of Illinois, 1970.
- Glasgow, Terry L. (1972), Professor of Physical Education, 1990- Director of Athletics, 1978- •B.A., Parsons College, 1966; M.A., Northeast Missouri State University, 1969; Ph.D., Northwestern State University of Louisiana, 1974.
- Grodjesk, Kenneth (1997), Assistant Professor in Education, 1997- •B.S. Bradley University; M.S., Illinois State University; Ph.D., Northern Illinois University.
- Haak, Robert D. (1998), Lecturer in Philosophy and Religious Studies, 1998- •B.S., Concordia Teachers College, 1970; M.T.S., Lutheran School of Theology at Chicago, 1974; Ph.D. University of Chicago Divinity School, 1986.
- Haq, Farhat (1987), Associate Professor of Government, 1993- •B.A., State University of New York at Fredonia, 1980; M.A., 1983; Ph.D., 1987; Cornell University.
- Hastings, William M. (1968), Professor of Psychology, 1983- •B.S., Loyola University, 1962; M.A., 1966; Ph.D., 1969; Southern Illinois University.
- Haynes, Roger D. (1982), Lecturer in Physical Education, 1982- •B.A., Monmouth College, 1982.
- Hazen, Colleen (1994), Lecturer in English, 1994- •B.A., Washington State University, 1974; M.A., Western Illinois University, 1992.
- Hellenga, Virginia (1994), Lecturer in Classics, 1994- •B.A., University of North Carolina, 1967; M.A., Loyola University, 1982.
- Holm, Susan Fleming (1985), Dorothy Donald Professor of Romance Languages and Literature, 1991- •B.A., The College of Wooster, 1966; M.A., 1982; Ph.D., 1985; The University of Kansas.
- Johnston, Richard (1995), Assistant Professor in Political Economy and Commerce, 1995- •B.S., 1979; M.B.A., 1983; Lehigh University.
- Kane, R. Kelly (1984), Instructor in Physical Education, 1984- •B.A., Illinois Wesleyan, 1970; M.S., Western Illinois University, 1981.
- Keiser, Gayle L. (1996), Lecturer in Government, 1996- •B.A., Skidmore College, 1972; M.A., University of Missouri, 1975; Ph.D., University of Oregon, 1981.
- Keller, Alfred (1988), Assistant Professor in Modern Foreign Languages, 1995- •B.A., 1979; M.A., 1982; University of Missouri-Kansas City.
- Kersting, Joseph (1997), Lecturer in Education, 1997- •B.S.Ed., Southeast Missouri State University, 1958; M.Ed., St. Louis University, 1960; Ph.D., St. Louis University, 1970.
- Kieft, Richard L. (1975), Professor of Chemistry, 1989- •B.S. Dickinson College, 1967; Ph.D., University of Illinois, 1973.
- Kirk, Carolyn Tyirin (1972), Professor of Sociology, 1988- •B.A., 1967; M.A., 1969 Ph.D., 1973; Michigan State University.
- Kulczewski, Peggy (1995), Lecturer of Mathematics and Computer Science, 1994- •B.A., 1971; M.A., 1972; University of Illinois.
- Lariviere, Nancy A. (1989), Associate Professor of Psychology, 1996- •B.A., Susquehanna University, 1984; M.A., 1987; Ph.D., 1990; State University of New York at Binghamton.
- Lemon, J. Rodney (1976), Professor of Political Economy and Commerce, 1982-

•B.A., Monmouth College, 1964; M.S., 1967; Ph.D., 1968; University of Illinois.

Li, Chenyang (1993), Associate Professor of Philosophy and Religious Studies, 1993-

•B.A., 1982; M.A., 1984; Beijing University (China); Ph.D.; University of Connecticut, 1992.

Maillet, Carol (1996), Assistant Professor of Biology, 1996 - •B.Sc., University of California-Irvine, 1970; Ph.D., University of Texas-Houston, 1992.

Markwart, Carla (1998), Lecturer in Art, 1998- •B.F.A., University of Illinois, 1982; M.F.A., University of California, Berkeley, 1990.

McCarnes, Mary Lois (1982), Lecturer in Modern Foreign Languages, 1982- •B.A., Monmouth College, 1942.

McConnell, Heike (1998), Lecturer in Biology, 1998- •B.S., Western Illinois University, 1996; M.S., Western Illinois University, 1998.

McDermott, Mary (1996), Lecturer in Mathematics and Computer Science, 1996- •B.A., Drew University, 1989; M.S., Rutgers University, 1992.

McGaan, Lee (1986), Professor of Communication and Theater Arts, 1995- ; Assistant Dean for Assessment, 1998- •B.A., Monmouth College, 1969; M.A., 1970; Ph.D., 1980; Ohio University.

Meeker, Cheryl (1986), Assistant Professor of Art, 1993- •B.A., Knox College, 1984; M.A., 1985; M.F.A., 1986; Northern Illinois University.

Mellado-Bottger, Maria C. (1998), Lecturer in Modern Foreign Languages, 1998- •B.A., Universidad de Santiago; M.A. University of Iowa.

Nieman, George C. (1979), Professor of Chemistry, 1984- •B.S., Carnegie-Mellon University, 1961; Ph.D., California Institute of Technology, 1965.

Olson, H. Michael, Jr. (1990), Instructor in Physical Education, 1990- •B.A., Coe College, 1959; M.S.E., Wayne State College, 1964.

Peterson, Judy (1998), Assistant Professor of Political Economy and Commerce, 1998- •B.A., Gustavus Adolphus College, 1979; MBA, Mankato State University, 1980.

Peterson, Trudie (1998), Assistant Professor of Communication and Theater Arts, 1998- •B.S., Central Michigan University, 1990; M.S., Central Michigan University, 1994; Ph.D., Bowling Green State University, 1998.

Rankin, Douglas B. (1988), Associate Professor of Communication and Theater Arts, 1991- •B.A., Monmouth College, 1979; M.F.A., Northwestern University, 1986.

Rundle, Jaclyn (1998), Assistant Professor of Political Economy and Commerce, 1998- •B.S., University of Maryland, 1978; M.A., New Mexico State University, 1981; Ph.D., University of Utah, 1992.

Sendry, Jeanette (1997), Lecturer in Philosophy and Religious Studies, 1997- •B.A., Ursuline College for Women, 1966; M.A., 1992; Ph.D., 1977; University of California-Los Angeles.

Sgro, Marc, (1996), Lecturer in Education, 1996- . •B.S., Western Illinois University, 1977; M.S., Southern Illinois University, 1986; M.S., Western Illinois University, 1991.

Shen, Steve X. (1998), Lecturer in Physics, 1998- •B.A., Dalian University of Technology, 1970; M.S., California State University, Los Angeles; Ph.D., University of California, Riverside, 1986.

- Sienkewicz, Thomas J. (1984), Capron Professor of Classics, 1985- •B.A., College of the Holy Cross, 1971; M.A., 1973; Ph.D.; The Johns Hopkins University, 1975.
- Smolensky, Ira (1984), Professor of Government, 1995- •B.A., 1970; M.A., 1976; Ph.D., 1982; Rutgers University.
- Sorensen, Francis W. (1973), Professor of Education, 1983- •B.A., Wheaton College, 1960; M.S., Northern Illinois University, 1964; Ed.D., University of Illinois, 1973.
- Sparling, Brigit J. (1977), Faculty Associate in English, 1988- •B.A., Illinois Wesleyan University, 1967; M.A., University of Akron, 1970.
- Sproston, Michael E. (1968), Associate Professor of Music, 1986- •B.A., Monmouth College, 1964; M.A., University of Iowa, 1966.
- Sturm, Jan (1996), Assistant Professor of English, 1996 - •B.S., University of California, Davis, 1982; M.A., 1992; Ph.D., University of California, Los Angeles, 1995.
- Suda, Carolyn (1986), Lecturer in Music, 1986- •B.A., Florida State University, 1971; M.A., Western Illinois University, 1985.
- Suda, David (1984), Professor of Humanities, 1984- •B.A., 1969; M.A., 1971; University of South Florida; Ph.D., Emory University, 1983.
- Tamulis, Andrius (1998), Visiting Instructor in Mathematics and Computer Science, 1998- •B.S., University of Illinois, 1989; M.S., Northwestern University, 1991; Ph.D., Indiana University, 1998.
- Tucker, Marta M. (1983), Professor of Mathematics and Computer Science, 1990- •B.S., Illinois State University, 1971; M.S., Bradley University, 1983.
- Urban, Jacquelynn J. (1978), Lecturer in Modern Foreign Languages, 1978- •B.A., University of Texas, 1964.
- Urban, William L. (1966), Lee L. Morgan Professor of History, 1994- •B.A., 1961; M.A., 1963; Ph.D., 1967; University of Texas at Austin.
- Wallace, William J. (1979), Professor of Communication and Theater Arts, 1991- •B.F.A., Quincy College, 1974; M.S., Indiana State University, 1976; Ph.D., University of Minnesota, 1986.
- Waltershausen, George L. (1966), Professor of Art, 1987- •B.A., Knox College, 1961; M.A., University of California, 1963; M.F.A., Bradley University, 1978.
- Watson, Craig (1986), Professor of English, 1995- •B.A., University of Illinois, 1972; M.A., California State University (San Francisco), 1975; Ph.D., University of Michigan, 1980.
- Welch, Lyle L. (1979), Professor of Mathematics, 1991- •B.A., Luther College, 1964; Ph.D., Michigan State University, 1971.
- White, Perry (1998), Assistant Professor of Music, 1998- •B.A., Luther College, 1983; M.Mus., University of Missouri at Kansas City, 1988; DMA, University of Oklahoma, 1998.
- Willhardt, Gary D. (1967), Professor of English, 1982- •B.A., Monmouth College, 1959; M.A., Ohio University, 1962; Ph.D., Ohio State University, 1967.
- Xiao, Hong (1998), Lecturer in Comparative Societies 1998- •B.A., Beijing University, 1984; M.A. (Sociology), The University of Connecticut, 1989; Ph.D., The University of Connecticut, 1998.

PROFESSORS EMERITI

- Allison, David C., 1962-96
Professor of Biology Emeritus
- Elwood H. Ball, 1953-83
Professor of Music Emeritus
- Cecil C. Brett, 1963-83
Professor of Government and History
Emeritus
- Robert H. Buchholz, 1950-94
Professor of Biology Emeritus
- Bernice L. Fox, 1947-81
Professor of Classics Emerita
- Richard L. Griffiths 1967-98
Professor of Music Emeritus
- J. Prescott Johnson, 1962-86
Professor of Philosophy Emeritus
- John J. Ketterer, 1953-86
Professor of Biology Emeritus
- Paul H. McClanahan, 1964-79
Professor of Religious Studies Emeritus
- Roy M. McClintock, 1966-86
Professor of Government Emeritus
- R. Jeremy McNamara, 1964-95
Professor of English Emeritus
- Harry W. Osborne, 1965-83
Professor of Modern Foreign Languages
Emeritus
- Charles E. Skov, 1963-94
Professor of Physics Emeritus
- Charles J. Speel II, 1951-83
Professor of Religious Studies Emeritus
- Spitz, Douglas R., 1957-96
Professor of History Emeritus
- J. Stafford Weeks, 1959-86
Professor of Religious Studies Emeritus
- Esther M. White, 1974-88
Professor of Education Emerita
- Donald L. Wills, 1951-84
Professor of Geology Emeritus
- Robert G. Woll, 1935-75, 1976-77
Professor of Physical Education Emeritus

ADMINISTRATION, 1998-99

Richard Giese (1997), President and
Professor of Education, 1997- •B.A.,
Concordia College, 1971; M.Div., Concordia
Seminary in Exile (Seminex), 1976; M.A.,
Washington University, 1976; Ph.D., Kent
State University, 1986.

ACADEMIC AFFAIRS

Arnold, George F. (1974), Vice President for
Academic Affairs/ Dean of the Faculty,
1996- ; Professor of Education and History,
1989- •B.S., Buffalo State College, 1968;
Ph.D., University of Maryland, 1975.

Ambrose, Rajkumar (1986), Associate Dean
of the Faculty, 1997-; Professor of Physics,
1990- •M.A., Madras Christian College, 1962;
B.D., United Theological College (India),
1981; Ph.D., Texas Christian University,
1986.

Daw, Lynn (1997), Bibliographic and
Information Services, Hewes Library, 1997-
•B.A., 1985; MLS, 1986; University of Iowa.

Carr, Daryl (1985), Systems Manager,
Information Systems Center, 1994- •B.A.,
Monmouth College, 1988.

Glasgow, Terry L. (1972), Director of
Athletics, 1978- •B.A., Parsons College, 1966;
M.A., Northeast Missouri State University,
1969; Ph.D., Northwestern State University
of Louisiana, 1974.

McGaan, Lee (1986), Assistant Dean for
Assessment, 1998- ; Professor of
Communication and Theater Arts, 1995- ;
•B.A., Monmouth College, 1969; M.A., 1970;
Ph.D., 1980; Ohio University.

Pepmeyer, Patricia (1997), Access Services
Manager, Hewes Library, 1997- •A.A., Spoon
River College, 1985.

Saettler, Erhard G. (1989), Registrar, 1989-

•B.A., Wabash College, 1957; M.S., University of Minnesota, 1962.

Sayre, John R. (1998), Director of Hewes Library, 1998- •B.A., Phillips University, 1975; MLS, University of Oklahoma, 1976.

Stevenson, Sue (1980), Acquisitions Librarian, 1993- .

ADMISSION

Valentine, Richard (1993), Vice President for External Relations, 1996- •B.S., Culver-Stockton College, 1969.

Kemp, Marybeth Dues (1994), Dean of Admission, 1996- •B.A., Monmouth College, 1994.

Pitts, Peter (1993), Regional Director of Admission, 1993- •B.A., Wartburg College, 1974; M.A., University of Iowa, 1977.

Turner, William (1995), Associate Director of Admission, 1997- •B.A., Monmouth College, 1993.

Hippen, Kristi (1997). Associate Director of Admission/Transfer Coordinator, 1997- •B.A., Monmouth College, 1993.

Crisco, Julie (1996), Admission Representative, 1996- B.A., Monmouth College, 1996.

Talbott, Jeani Randall (1996), Admission Representative, 1996- •B.A., Monmouth College, 1995.

Blaesing, Michael (1997), Admission Representative, 1997- •B.A., Monmouth College, 1996.

STUDENT AFFAIRS

Condon, Jacquelyn S. (1980), Vice President for Student Life & Dean of Students, 1990- •B.A., Millikin University, 1975; M.S.Ed., Eastern Illinois University, 1980.

Baker, Sarah (1998), Assistant Director of Student Activities/McMichael Residence Hall Director, 1998- •B.A., Franklin College, 1998.

Fannin, Rev. B. Kathleen (1997), Chaplain, 1998- •B.A., University of Texas, 1968; MTS, Eden Theological Seminary, 1997.

Masood, Mohsin (1995), Associate Dean of Students/Director of Multicultural Affairs, 1995- •B.A., University of Peshawer (Pakistan), 1977; M.A., Quaid-i-Azam University (Pakistan), 1981; M.A., 1992; M.A., Western Illinois University, 1995.

Merritt-Gilbert, Michelle (1998), Assistant Dean of Students, 1998- •B.A., Monmouth College, 1989; M.S., University of Wisconsin-La Crosse, 1994.

Ogorzalek, Karen (1990), Associate Dean of Students, 1996/Director of the Stockdale Center/Activities & Student Orientation, 1990- •B.S., Eastern Connecticut State University, 1988; M.A., Framingham State College, 1990.

Rovinski, Gary (1997), Associate Dean of Students, 1997- •B.A., College Misericordia, 1983; M.A., Miami University, 1986.

COLLEGE RELATIONS

Valentine, Richard D. (1993), Vice President for External Relations, 1996- •B.S., Culver-Stockton College, 1969.

Alcorn, Gena (1995), Director of Alumni Programs, 1995- •B.A., Monmouth College, 1988.

Cole, Tiffany (1995), Director of Planned and Major Gifts, 1995- •B.A., Monmouth College, 1989.

Cook, Lois A. (1987), Director of Development Records and Research, 1995- •B.S., Bowling Green State University.

Rankin, Jeffrey (1992), Director of College Communications, 1992- •B.A., St. Lawrence University, 1979.

Snee, Tom (1995), Assistant Director of College Communications, 1995- •B.A., University of St. Thomas, 1988.

Swarts, Bobbi (1993), Director of Annual Gifts, 1997- •B.A., Monmouth College, 1992.

Wilson, J. Mark (1998), Director of Planned and Major Gifts, 1998- •B.A., Monmouth College, 1978.

FINANCE AND BUSINESS

Gladfelter, Donald L. (1977), Vice President for Finance and Business, 1995- •B.A., Monmouth College, 1977.

Loomis, Pete (1989), Director of the Physical Plant, 1989- •B.A., Westminster College, 1966.

Cruz, Leo (1996), Assistant Director of the Physical Plant for General Services, 1997-

McNall, W. Michael (1981), Director of Personnel, 1991- •B.A., Monmouth College, 1981.

Nuckles, Paula A. (1998), Assistant Director of Financial Aid, 1998- •B.A., Augustana College, 1994.

Whiteside, Jayne (1994), Director of Financial Aid, 1996- •B.A., Monmouth College, 1990.

THE SENATE, 1998-99

OFFICERS OF THE SENATE

David A. Bowers '60; President and CEO, CompX International Inc.; Greer, South Carolina.

OFFICERS OF THE COLLEGE

Richard Giese, President; Monmouth College; Monmouth, Illinois. Ex officio.

Maxine Murdy Trotter '47; Treasurer; President, Freeway Industrial Park; Santa Ana, California. Ex officio.

Donald L. Gladfelter '77; Assistant Treasurer; Director of Business & Finance, Monmouth College; Monmouth, Illinois. Ex officio.

Davis, Deborah K. (1997); Assistant Secretary, 1997- .

Leah R. McLaren (1991); Secretary, 1994- Monmouth College, Galesburg, Illinois. Ex officio.

TRUSTEES AND DIRECTORS

Robert J. Ardell '62; Vice President of Exploration, Nippon Oil Exploration U.S.A., Ltd.; Houston, Texas.

William T. Axline, Jr. '58; Pharmacist, Axline Pharmacy; Monmouth, Illinois.

Nancy Glennie Beck '53; Homemaker; Harbor Springs, Michigan.

Kenneth D. Brenneman '64; President & CEO, Industrial Marketing Research, Inc.; Clarendon Hills, Illinois.

Peter H. Bunce; Executive Vice President, Grand Center, Inc.; St. Louis Missouri.

Douglas R. Carlson '66; Attorney; Wildman, Harrold, Allen & Dixon; Chicago, Illinois.

Karen Chism '65; Clinical Research QA,
Matrix Pharmaceutical; Menlo Park,
California.

Dr. Leonard Gibb '58, Director of Planned
Giving, Sun Health Foundation, Sun City,
Arizona.

William J. Goldsborough '65; Private
Investor; Glen Ellyn, Illinois.

Walter S. Huff, Jr. '56; Gerdes Huff
Investments (Retired); Atlanta, Georgia.

William T. Irelan '62; Attorney, Freideman,
Irelan, Ward, Lamberton; Washington, D.C.

James C. Jacobsen; Vice Chairman, Kellwood
Company; Creve Coeur, Missouri.

Barbara Watt Johnson '52; Homemaker;
Moline, Illinois.

Marion Austin Jones '50; Homemaker;
Grinnell, Iowa.

Mary C. Josephson '51; Homemaker;
Roseville, Illinois.

Joan Dutcher Maxwell, Attention! Inc.;
Naperville, Illinois.

Robert C. McConnell '72; Main Street
America; Brighton, Michigan.

Carol Bryden Moore '60, Chesapeake
Consulting Inc.; Alexandria, Virginia.

Courtney J. Munson '63; President, C.J.
Munson Enterprises, Oquawka, Illinois.

Bradley C. Nahrstadt '89 (Alumni Board
Representative); Associate Attorney, Williams
& Montgomery, Ltd. (Chicago, Illinois);
Buffalo Grove, Illinois.

James L. Pate '63; Chairman and CEO,
Pennzoil Co.; Houston, Texas.

H. Safford Peacock; Investment Manager;
Lincoln, Illinois.

Harold A. Poling '49; Chair and CEO,
(Retired) Ford Motor Company; Dearborn,
Michigan.

Nelson Potter '61; Professor of Philosophy,
University of Nebraska-Lincoln; Lincoln,
Nebraska.

Channing L. Pratt '51; Attorney, Beal, Pratt
and Pratt; Monmouth, Illinois.

Jesse Price, Manager, Employee Services;
Illinois Power Co.; Decatur, Illinois.

Roger W. Rasmusen '56; Private Investor; San
Diego, California.

Bonnie Bondurant Shaddock '54; President,
Oliver/Asselin Inc.; LaGuna Hills,
California.

Linda Siebrandt '80; District Sales Manager,
Answer Soft; McHenry, Illinois.

Terry Thorstenson, Director of Public
Affairs & Human Resources; Caterpillar, Inc.;
Peoria, Illinois.

Edwin A. Trapp, Jr. '53; President (Retired),
Hall-Mark Electronics Corp.; Dallas, Texas.

William B. Trent, Jr. '69; Vice President and
General Counsel; Varied Investments, Inc.;
Muscatine, Iowa.

Fred W. Wackerle '61; Partner, McFeely
Wackerle Shulman; Chicago, Illinois.

R. Richard Wieland II '68; Consultant; South
Barrington, Illinois.

Ralph Whiteman '52; President & CEO
(Retired), Security Savings and Loan
Association; Monmouth, Illinois.

William Winslade '63; James Wade Rockwell
Professor of Philosophy of Medicine,
University of Texas Medical Branch;
Galveston, Texas.

Richard E. Yahnke; General Manager; John
Deere Co.; Minneapolis, Minnesota.

SENATE EMERITI

David D. Fleming '46; President, Mellinger Educational Foundation; Monmouth, Illinois.

Richard P. Hutchinson '34; Farmer and Farm Manager (Retired); Biggsville, Illinois.

William M. LeSuer '42; Chemist (Retired), Cleveland, Ohio.

Daniel M. MacMaster; President Emeritus and Director (Retired), Museum of Science and Industry; Homewood, Illinois.

Graham McMillan '37; Vice President (Retired), Biochemical Operations, International Minerals and Chemicals Corporation; Terre Haute, Indiana.

Lee L. Morgan; Chairman and Chief Executive Officer (Retired), Caterpillar, Inc.; Peoria, Illinois.

Juanita Winbigler Reinhard '42; Homemaker; Arlington Heights, Illinois.

John W. Service '35; Division Manager (Retired), Salary Administration, Deere and Company; Monmouth, Illinois.

HONORARY DIRECTOR

Pearle Liddle; Civic Leader and Homemaker; Fort Worth, Texas.

MONMOUTH COLLEGE PRESIDENTS 1856-1998

David A. Wallace (1856-78)

Jackson B. McMichael (1878-97)

Samuel R. Lyons (1898-1901)

Thomas H. McMichael (1903-36)

James H. Grier (1936-52)

Robert W. Gibson (1952-64)

G. Duncan Wimpess, Jr. (1964-70)

Richard D. Stine (1970-74)

DeBow Freed (1974-79)

Bruce Haywood (1980-94)

Sue A. Huseman (1994-97)

Richard F. Giese (1997-)

DIRECTORY OF COLLEGE OFFICES

All telephone numbers at Monmouth College can be reached either by calling the number directly or by calling the college switchboard, 309-457-2311. When dialing from on-campus telephones, use on the last four digits.

Correspondence concerning college matters should be addressed to the appropriate office at Monmouth College, 700 East Broadway, Monmouth, Illinois 61462-1998.

Academic Affairs

For academic concerns, readmission, academic standing, and faculty matters.
457-2325

Admission

For most matters of concern to new students.
457-2131

Bookstore

457-2899

Business Office

For questions about billings and student accounts.
457-2124

College Relations Office 457-2323

Alumni Programs 457-2316
Annual Gifts 457-2318

College Communications 457-2322

Planned Giving 457-2318

Records and Research 457-2321

Financial Aid

457-2129

Library

457-2190

Multicultural Affairs

457-2113

President's Office

457-2127

Registrar

For academic records, class schedules, courses, credits and transcripts.
457-2326

Stockdale Center and Student Activities

457-2345

Student Affairs

For information about rooms, residence halls and student services.
457-2131

Wackerle Career and Leadership Center

457-2115

INDEX

- Academic Calendar, 1998-99, 125
Academic Dishonesty, 25
Academic Honors, 21
Academic Policies, 18-26
Academic Probation, 23
Academic Program, 11-26
Academic Status, 21
Academic Progress and Standing, 21-22
Accounting, 99-100
Accreditation and Affiliation, 2
Administration, Register of, 131-133
Admission, 117-118
Advanced Placement Program, 18
Advanced Standing, 18
Alcohol Policy, 10
Alpha Tau Omega, 9
Alpha Xi Delta, 8-9
Amnesty International, 8
Appeal of Grades, 20-21, 23-24
Application for Degree, 15
Architecture, 114
Art, 27-29
Art Gallery. *See Everett Gallery, Len G.*
Arts of London and Florence program, 109
Associate Degree Transfers, 23
Associated Colleges of the Midwest (ACM),
2, 109-113
Association for Student Activity
 Programming, 6
Athletic Facilities, 7-8
Athletics. *See Recreation.*
Attendance, Class, 19
Auditing a Course, 25, 120
Auditorium, College, 6
Austin Hall, 6

Bachelor of Arts Degree, 2
 Requirements for, 15
Beauty and Meaning in Works of Art
 (General Education Component), 14, 15,
 16-17
Beveridge Rooms, 5
Bilingual Education (Spanish) Certification,
45-46
Biology, 30-33
Business Administration, 96-99

Calendar, Semester, 11, 125
Campus Organizations, 8
Chemistry, 35-35
Chicago Semester in the Arts Program, 109
Chinese Studies Program, 109-110
Classics Department, 36-38
Classification of Students, 21
Coalition for Women's Awareness, 8
Communication and Theater Arts, 39-43
Community Medical Center, 6
Computer Science, 69-70, 114
Convocations, 25
Course Syllabi, 25
Courses of Instruction, 27-106
Credit by Examination, 18-19, 120
Credit/No Credit Courses, 20
Credits, Transfer of, 22-23
Curriculum, 11-18
Czech Program, 110

- Dahl Computer Center, 6
- Dean's List, 21
- Degree, Application for, 15
- Degree, Requirements for the, 15
- Dentistry, 114
- Departmental Honors, 21
- Directory of College Offices, 136
- Dishonesty, Academic, 25
- Dismissal, 21-22, 23, 24-25
- Early Decision, Admission, 118
- Ecological Field Station, 30
- Economics, 94-96
- Education, 44-49
- Electives, 12
- Elementary Education, 44
- Engineering, 114
- English, 50-53
- Environmental Science, 54-57, 114-115
- Everett Gallery, Len G., 6
- Examinations, Final, 25
- Executive Committee, Senate, 9
- Expulsion, 21-22, 24-25
- Faculty, Register of, 126-130
- Family Educational Rights and Privacy Act (FERPA) 25-26
- Final Examinations, 25
- Financial Aid, 24, 124-125
- Florence Program, 109, 110
- Fraternities, 7, 8-9
- French, 76-78
- Freshman Seminar, 12, 64
- General Education Courses, 15-18, 65-66
- General Education Program, 12-15
- German, 78
- Gibson Hall, 7
- Governance, College, 9-10
- Government, 58-59
- Grade-Point Average, 20
- Grading System, 19-20
- Greek Organizations, 7, 8-9
- Guest House, The, 10
- Gymnasium, Glennie, 7
- Haldeman-Thiessen Science Center, 6
- Hamilton Pond, 30
- Health Services, 5
- Hewes Library, 6
- History and Purpose (of the College), 1-2
- History, 60-63
- Honor Roll, 21
- Honor Scholars, 21
- Honor Societies, 8
- Honors, Academic, 21
- Honors at Graduation, 21
- Honors Convocation, 25
- Honors Program**, 107-108
- Human Societies* (General Education Component), 14-15, 17-18
- Illinois State Teacher Certification Board, 2, 44
- Incomplete Grades, 20
- India Studies Program, 110
- Information Systems Center, 65
- In-Progress Grades, 20
- Instructional Facilities, 5-6
- Interdisciplinary Studies, 64
- Interfraternity Council, 8
- International Baccalaureate Program, 18
- Intramural Sports, 7-8
- Issues and Ideas* (General Education Component), 15, 18, 65-66
- Japan Study Program, 110-111
- Kappa Kappa Gamma, 9
- Language* (General Education Component) 13-14, 16
- Latin American Culture and Society Program, Studies in, 111-112
- Law, 115
- Learning Disabilities (Education Department), 45
- Library. *See Hewes Library.*
- Library Science, 115

- Location of the College, 1
- Major, Departmental, 12. *See also specific departments.*
- Major, Topical, 12
- Mathematics, 67-69
- Mathematics and Computer Science, 67-70
- Matriculation Ceremony, 25
- McMichael Academic Hall, 6
- Medical Technology, 115
- Medicine, 115
- Military Science, 71-74
- Ministry and Christian Education, 115
- Mission Statement**, 3
- Modern Foreign Languages, 75-78
- Monmouth, City of, 1, 8
- Monmouth College: An Introduction**, 1-2
- Monmouth Christian Fellowship, 8
- Monmouth Plan, 11-18
- Monmouthiana Collection, 5
- Motor Vehicles, 10, 122
- Multicultural Affairs Council, 6
- Music, 79-81
 - Applied, 79
 - Ensembles, 80
- Newberry Library in the Humanities Program, 104
- Newspaper, Student, 10
- Non-Degree Seeking Student, 23
- North Central Association of Colleges and Schools, 2
- Nursing, 115
- Oak Ridge Science Semester Program, 111
- Off-Campus Programs**, 2, 109-113
- Organizations, Campus, 8
- Overload, Enrollment In, 19, 120
- Part-Time, Reentering Students, 21, 118
- Petitions, Appeals, 20-21, 23-24
- Philosophy, 82-85
- Philosophy and Religious Studies, 70-77
- Physical Education, 82-88
- Physical Universe and Its Life Forms* (General Education Component), 14, 15, 16
- Physics, 92-93
- Pi Beta Phi, 9
- Pipes and Drums Band, 8, 80
- Placement Service, 10, 121
- Poling Hall, 6
- Political Economy and Commerce, 94-100
- Prairie Plot, 30
- Preprofessional Programs**, 114-116
- Presbyterian Church (U.S.A.), 2
- Probation, Academic, 23
- Professors Emeriti, 131
- Psychology, 101-103
- Purposes, Statement of**, 3
- Recreation and Athletics, 7-8
- Registers: Faculty, Administration, Senate**, 126-135
- Refunds, 123-124
- Registration, 19, 125
- Religious Studies, 85-88
- Repeating a Course, 20
- Requirements for the Degree, 15
- Reserve Officers' Training Corps, 71-74, 116
- Residential Living, 6-7
- Rights and Responsibilities, 10
- Russia Semester, 111
- Secondary Education, 44-45
- Semester Calendar, 11, 125
- Senate, Faculty, 9
- Senate, Monmouth College, 9, 133-135
- Sigma Phi Epsilon, 9
- Social Service, 116
- Sociology Department, 104-105
- Sororities, 8-9
- Spanish, 75-76
- Special Certificate Programs (Education Department), 45
- Stockdale Center, 6
- Student Affairs, 6
- Student Association, 9-10
- Student Health Insurance Plan, 120
- Student Life**, 5-10

Students Organized for Service, 8

Student Senate, 9-10

Studies in Latin American Culture and

Society, 111-112

Summer Session, 122

Syllabi, Course, 25

Tanzania Program, 112

Teaching, 44-49, 116

Teaching & Learning Center, 10

Topical Major, 12

Transfer Policies, 22-23

Transfer Students, 22-23, 117

Tropical Field Research program, 112

Trotter Computerized Classroom, 6

Tuition and Other Charges, 1998-99,

119-125

Urban Education Program, 112-113

Urban Studies Program, 113

Varsity Sports, 7-8

Veterinary Medicine, 116

Wackerle Career & Leadership Center, 10

Wallace Hall, 6

Wells Theater, 6

Wilderness Field Station program, 30-31, 113

Winbigler Hall, 7

Withdrawal from a Course, 19-20

Woll, Bobby, Athletic Field, 7

Women's Studies, 106

Zeta Beta Tau, 9

Zimbabwe Program, 113





MONMOUTH
-COLLEGE-

Monmouth, Illinois 61462
1-800-74 SCOTS

www.monm.edu
admit@monm.edu